

Magma V2.19-2 Sun Feb 24 2013 12:14:50 on lilo2 [Seed = 1355106346]
Type ? for help. Type <Ctrl>-D to quit.

Loading "pathsearch15_111105"

SLimit: 23946.8743080161946530832685608 1.30
BLimit: 5461424.06332289310041541956012 2
n0 8565190451626471561581198956979677311673242430893813276359616896562014820872
2413910129723746548603254548752911207248130295617257296553158965323883896198873
3930142273741357013919201860318093676225754308466386557728291545681868808413536
322145292878702013181059167145734057367948969679629286224489396878439104928212
5189525545161683137897146119047524228806209666651742852039548140773438328627960
9108098302484494498564698888253406921416907472167974411703767801031040477896008
4964809251278307255973636960282084036261374263151021560666708567619483320572221
83942188812901400199014619434771021665879139802685317483926774248727392239235
0276387105906542021999558147569857482612098131349186022930659759554555907091558
6634412005397086201119903461540163933540591266771142867674763603198630033097702
4342089077367555336156848328375499148154673304208995440068965978470588838634462
286445181219357301934243808951991745400222501535299794480237453310282974238385
8032054291378858881565244961796676006653577439555787461683952658848547

DLimit, delta: 2336.96899066352463666519482072 1.00
Number of discriminants 711
Filtering discriminants and reduction takes 7.700 seconds for 711 D-s, where
56 was succesful
On average that is 0.011
The time for 56 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 3.270 seconds for 56 D, that is 0.058 on
average
Time of Miller-Rabin test for 55 is 2.280 seconds, 0.041 on average
This resulted 0 new nodes
#LTemp: 0
DLimit, delta: 5075.96062719738187326897981482 1.10
Number of discriminants 835
Filtering discriminants and reduction takes 8.320 seconds for 835 D-s, where
28 was succesful
On average that is 0.010
The time for 28 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 3.110 seconds for 28 D, that is 0.111 on
average
Time of Miller-Rabin test for 28 is 1.170 seconds, 0.042 on average
This resulted 0 new nodes
#LTemp: 0
DLimit, delta: 11025.1254474466073282074002371 1.20
Number of discriminants 1808
Filtering discriminants and reduction takes 16.440 seconds for 1808 D-s,
where 30 was succesful
On average that is 0.009
The time for 30 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 3.110 seconds for 30 D, that is 0.104 on
average
Time of Miller-Rabin test for 29 is 1.200 seconds, 0.041 on average
This resulted 0 new nodes
#LTemp: 0
DLimit, delta: 23946.8743080161946530832685610 1.30
Number of discriminants 3930
Filtering discriminants and reduction takes 33.380 seconds for 3930 D-s,

where 50 was succesful
 On average that is 0.009
 The time for 50 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 3.220 seconds for 50 D, that is 0.064 on average
 Time of Miller-Rabin test for 46 is 3.580 seconds, 0.078 on average
 This resulted 2 new nodes
 #LTemp: 2
 n1 1928293492942461263118114964931205986621169654737060746391619909848827587800
 6329324522377781003096289732600810744903166539981597149060224673350942489322888
 7497358594671444784024494717362831630114874277264290004779155429760543198985453
 4309229921944014348033047417507871849269896545286227424659655188013651767828317
 5971616678897685229779741801062062930717203342447796042648794565501635203491329
 2683926360071703118872699188008016236797034450098038972883768655184448029063567
 7693935916628951282905464380895816842512804485150618844184186168051347519555582
 9362956954441473914116527259717258626072668567481233696675856046543837396394620
 1415266519280953033653040295764567820978905332368583685582271914989072972588047
 9505819355412559299749935670949926451974719489698493674974055540944166088361650
 8100686693798524968114569829590205112593875646036776157626535967035447784871111
 6729190821297065433061051827522733050060812443778037522665539032933778278386545
 94788048772771801970699924872354185429743985002075930560513347699
 SLimit: 23773.7918866731275116720589653
 BLimit: 5400813.29446326514989060803964
 delta 0.90
 Number of discriminants 707
 Estimation for 181 nodes takes 0.970 second.
 0.896098405887029536732520087245
 Number of discriminants 831
 Estimation for 187 nodes takes 1.000 second. 1.30641293403808186072270387024
 Number of discriminants 1797
 Estimation for 398 nodes takes 1.170 second. 1.93134837948498769274796466552
 delta 1.20
 The time of estimation is 3.140
 n1 8985609131679491615276768396725678350328407983631986668610568159614036353793
 5332234728186118668882950014008333096150835591261185650781944588741941872530846
 6458817423344814179761901717894963215135514773698176856489733181791530958919460
 0174413382109142700480681812080985734211791259110910569972355988886458736281344
 0440873116538275995158628006201688846559012755453920903261339702787457909287714
 4966805183405679427624388791007044520439217584512127849527458530768643783225566
 2921584339347707808938239300682412758774526338628616842507317525271719227151481
 7995485213563394209399241107520853978899341696230121813683908708416957710372753
 0101456160998501877066039706029879817233737398853187599916772525154554312394554
 7784004735695547361109449090352600676426493451722972753179997838702209273227680
 4707649537905162762041352504556094806762151191346547354821727108168021662876954
 5343926114990958170646854538500766287911811545442441146957866221050981311587908
 7747118677726222141156684825266597301644823420789903551613020571
 SLimit: 23763.6374794973431623814458066
 BLimit: 5397264.73590251461588576356885
 delta 0.90
 Number of discriminants 707
 Estimation for 151 nodes takes 0.960 second.
 0.709187060639209795120080732161
 Number of discriminants 830
 Estimation for 170 nodes takes 0.990 second. 1.04852501703260098162389636035
 Number of discriminants 1796
 Estimation for 318 nodes takes 1.100 second. 1.48502335897839927598979884440
 delta 1.20

The time of estimation is 3.050
Time of sorting a list with 3 element is 0.010 seconds.
Level completed in 97.930
n1: 89856091316794916152767683967256783503284079836319866686105681596140363537
9353322347281861186688829500140083330961508355912611856507819445887419418725308
4664588174233448141797619017178949632151355147736981768564897331817915309589194
6001744133821091427004806818120809857342117912591109105699723559888864587362813
4404408731165382759951586280062016888465590127554539209032613397027874579092877
1449668051834056794276243887910070445204392175845121278495274585307686437832255
6629215843393477078089382393006824127587745263386286168425073175252717192271514
8179954852135633942093992411075208539788993416962301218136839087084169577103727
5301014561609985018770660397060298798172337373988531875999167725251545543123945
5477840047356955473611094490903526006764264934517229727531799978387022092732276
8047076495379051627620413525045560948067621511913465473548217271081680216628769
5453439261149909581706468545385007662879118115454424411469578662210509813115879
087747118677726222141156684825266597301644823420789903551613020571
SLimit: 23763.6374794973431623814458066 1.30
DLimit, delta: 10947.2297425586889641422456080 1.20
exponent: 1.20
BLimit: 5397264.73590251461588576356885 2
Number of discriminants 3331
Filtering discriminants and reduction takes 27.250 seconds for 3331 D-s,
where 130 was succesful
On average that is 0.008
The time for 130 trial divisions is 0.030 seconds, 0.000 on average
Batch trial division takes: 3.410 seconds for 130 D, that is 0.026 on
average
Time of Miller-Rabin test for 127 is 4.960 seconds, 0.039 on average
This resulted 0 new nodes
Time of sorting a list with 3 element is 0.000 seconds.
Level completed in 36.790
n1: 19282934929424612631181149649312059866211696547370607463916199098488275878
0063293245223777810030962897326008107449031665399815971490602246733509424893228
8874973585946714447840244947173628316301148742772642900047791554297605431989854
5343092299219440143480330474175078718492698965452862274246596551880136517678283
1759716166788976852297797418010620629307172033424477960426487945655016352034913
2926839263600717031188726991880080162367970344500980389728837686551844480290635
6776939359166289512829054643808958168425128044851506188441841861680513475195555
8293629569544414739141165272597172586260726685674812336966758560465438373963946
2014152665192809530336530402957645678209789053323685836855822719149890729725880
4795058193554125592997499356709499264519747194896984936749740555409441660883616
5081006866937985249681145698295902051125938756460367761576265359670354477848711
1167291908212970654330610518275227330500608124437780375226655390329337782783865
4594788048772771801970699924872354185429743985002075930560513347699
SLimit: 23773.7918866731275116720589653 1.30
DLimit, delta: 10951.5476829741136763948981196 1.20
exponent: 1.20
BLimit: 5400813.29446326514989060803964 2
Number of discriminants 3333
Filtering discriminants and reduction takes 28.930 seconds for 3333 D-s,
where 166 was succesful
On average that is 0.009
The time for 166 trial divisions is 0.040 seconds, 0.000 on average
Batch trial division takes: 3.480 seconds for 166 D, that is 0.021 on
average
Time of Miller-Rabin test for 153 is 9.190 seconds, 0.060 on average
This resulted 4 new nodes

n1 1516873071555588958748917260584857497086615022747714158564170846163495120668
3427863503757961685666220667349950748384391816631033558666579407311444512270830
0931514554196827263204596304823080800698091427930657360382706274753534393036294
4206234014543256946668116772881078062997679919182343755496868415488576111192778
2007240297952293287906235170210490688593476678399243977973757028335985650654314
8969211423990701849676293008671225747233040058231853980146436724817818491961731
6635115251535620900891337527301971410643516809608975212875670357914457702964868
4529635898818137403761073908536553908283455680770471449458593679141610772936992
4375702034673878894559691531300801008178999126152862949184027856332883307924158
1870936807023121335034823400991198429835492751266706513253387001666442906501341
2524543052421105836910583955809732926940466268632939447274877100976437473128358
2564362335580586335455427773344430706204428020971889710357090006136323188945563
7425020535128446049012882507253474714832199017781663232963
SLimit: 23556.4792325176698051934730947
BLimit: 5325049.67049228134537468045158
delta 0.90
Number of discriminants 702
Estimation for 180 nodes takes 0.960 second.
0.893175454041643280715098109002
Number of discriminants 823
Estimation for 195 nodes takes 0.980 second. 1.29303618762218779888962672303
Number of discriminants 1783
Estimation for 398 nodes takes 1.170 second. 1.95124775676022470614498401643
delta 1.20
The time of estimation is 3.110
n1 2664861101357740827968649758058604182726879014285600810380900925717008827806
2920570097260614984931301454672209431872811691516856203786932937190357226814384
6734879207671980077424674844337799378268206574439317308981696282145582088150156
7591528360895542216739977083344212063667629277620546468573321155353305372897066
8838607903396469361221312605116173204418467858551404149597560206608119407810018
3366399060353376338961718059712570808177217316332281609844898639005594291132625
4413952344705571148293897707152870237938304064771151376668193589785532146785354
6678728569581454533710291078513574711967990235597378456980014324542497979810167
4637047117769646383023425910532083896471412313999212488531278438504700203784168
7977628786795751520508586305281147181679888695800746500022180863830247837218866
7819294977033174075573274158039667091515998266761803111096077557656739241980343
3379471138244155424906977054987854608955062309925496874022362443331624220839119
7624668155711939406629934596238592735285385034180318335449001
SLimit: 23655.6757065065044835437852532
BLimit: 5359586.93504274747684063041550
delta 0.90
Number of discriminants 705
Estimation for 273 nodes takes 1.020 second. 1.78500190592978524060243728901
delta 1.00
The time of estimation is 1.020
n1 2576034466969516595747001501770050245292547018310049031709900831547203728947
4861907037314592935464000884298585575155583552979461355874923602815784704495656
4507015085857897164299143998215309835328746543227453127245846456712941436882158
4618320503663414082484558796616233010493129659279915052874175624683771225756471
9085920651697409994492527627423926644479342552792475898740645828083218959926510
4471607527674016118986291951169252894004897505985314416651624090269467891880272
0564424644388327898228667684460247319191660449947920304425543546642193720582863
4709423576948899157886790047725388583632134606468939397724030687648943495688598
8013487224145088544162919099812923512787374933435129317577852969386493326093042
0871944675937263771964962268723670751122643150563066789726172743393939587776743
4016184699310844922045043532312904699950280651057457787868006168310574856921951
8029945750150779593261900860693008482487948829962235289236790142083554869409983

20318801925462710890196428951443468197047032094541
 SLimit: 23319.3297434418145432457587087
 BLimit: 5242798.59874967999623841130975
 delta 0.90
 Number of discriminants 698
 Estimation for 261 nodes takes 1.010 second. 1.60808054839647722282325425650
 delta 1.00
 The time of estimation is 1.010
 n1 3639663067086563350543818355853540933599791722795509147587051547468530743300
 5529113858772708575115684659495679020202277349908639390449650195075391637076045
 2052394478428548101216486820239395300330076023526406200036155964062935445423656
 9100094227904896844154487386764575026934497065470417940089949392249248334896786
 7066094146654747508078032844586755248616842850977342473855784381845291059817533
 5379249452758971534301055470003805656468543695919288359539012184191106132622815
 7217697086879862746140929371264282712394240962994853079334862356876050383214054
 6886391325076434222688087027554906369428716459531490292059974761875669408907545
 352733998474230803064825282798823469143611188919086032083421596043054345711723
 1181227868390191417372383921528365972623923031764259703270394491621627350319478
 1717559745440135172050829657664377764484982248084842265488516432206214375034509
 7539972138221565246980067480886039998334140685229856546508854751520822815293829
 081555602905864467831541166601818797071470678980145037042741
 SLimit: 23629.2336844308898856384182521
 BLimit: 5350372.97066726446671839476874
 delta 0.90
 Number of discriminants 704
 Estimation for 185 nodes takes 0.980 second.
 0.979856249889947392108434308847
 Number of discriminants 826
 Estimation for 195 nodes takes 1.000 second. 1.39064384139447086179690080277
 Number of discriminants 1786
 Estimation for 414 nodes takes 1.160 second. 2.06498552684416455397714472036
 delta 1.20
 The time of estimation is 3.140
 Time of sorting a list with 7 element is 0.000 seconds.
 Level completed in 51.070
 n1: 25760344669695165957470015017700502452925470183100490317099008315472037289
 4748619070373145929354640008842985855751555835529794613558749236028157847044956
 5645070150858578971642991439982153098353287465432274531272458464567129414368821
 5846183205036634140824845587966162330104931296592799150528741756246837712257564
 7190859206516974099944925276274239266444793425527924758987406458280832189599265
 1044716075276740161189862919511692528940048975059853144166516240902694678918802
 7205644246443883278982286676844602473191916604499479203044255435466421937205828
 6347094235769488991578867900477253885836321346064689393977240306876489434956885
 9880134872241450885441629190998129235127873749334351293175778529693864933260930
 4208719446759372637719649622687236707511226431505630667897261727433939395877767
 4340161846993108449220450435323129046999502806510574577878680061683105748569219
 5180299457501507795932619008606930084824879488299622352892367901420835548694099
 8320318801925462710890196428951443468197047032094541
 SLimit: 23319.3297434418145432457587087 1.30
 DLimit, delta: 2289.71583362426875546016714614 1.00
 exponent: 1.00
 BLimit: 5242798.59874967999623841130975 2
 Number of discriminants 698
 Filtering discriminants and reduction takes 11.680 seconds for 698 D-s,
 where 150 was succesful
 On average that is 0.017
 The time for 150 trial divisions is 0.040 seconds, 0.000 on average

Batch trial division takes: 3.410 seconds for 150 D, that is 0.023 on average
 Time of Miller-Rabin test for 144 is 7.660 seconds, 0.053 on average
 This resulted 3 new nodes
 n1 1875346109545150872187200110085165902437835655023983427868174227196518466055
 6399466461061929977732136032905635878343801880711882280231278159820244819908828
 7430853569554964340115027996661146599551994649111780646110120661934725128317791
 1992012011640354943934248831529576155503163348625796100616307089695785443261818
 9286820317631951368380780469866403240516966478270244703898812945734699814865128
 1115366749421818815343210850426612304045331775319141793473231803397235381284643
 3937036134969794677732859099393231774788911551228434908488577505286916347075392
 0681020153577048434777631286422855695231095730773315438375509882823921541843461
 8865826674704070423807299302909235583016139665132691884516339577460387090551771
 424668817710749219454816515879111569835533772962062009751242080219879628534721
 7805063644381154353802588283917607343680007505220994948395797269380317000362925
 6161868411998138733578394196982644667526919030829218964650367662826527240107476
 56547568497343458098663570194515334186393
 SLimit: 23041.1418821054202584404994221
 BLimit: 5146886.75397704427527839528526
 delta 0.90
 Number of discriminants 692
 Estimation for 255 nodes takes 0.980 second. 1.68462660466830677193649508377
 delta 1.00
 The time of estimation is 0.980
 n1 1154157989824869888235900957799445440461543673860664631852676943828385691924
 3562566998205430623964587575179925077132020086820311007309684583422545522543260
 8338417841653926219241896807386919942708985171431142640211225316185299663471638
 5875338493370586427393214393007147534226925957131810181577705525494978057741389
 5896844321447252636468631887410135775049437513572141032429185929892658900664219
 0931561285898500026428023777831705269809896909436241875594376283745886078549916
 6904615066752239241845135066298560252720230793577889904362584054958113768809099
 6153449529996039452063851458574720928496885795930900414137769380882787862581414
 0477798656411853350887872265207131264087146898809058712428317617349064920389487
 7567336613046202198917002164414242380321166617187654514769111417690585626157479
 8201057198785137413054664298543206533543076948972297702650071938322036368310467
 0379094514982072133667951181681142066646560879939282981332122850171832485499878
 700592068530181278932363610576087002709164129
 SLimit: 23156.4040130712392856623854714
 BLimit: 5186550.88769876986096829089570
 delta 0.90
 Number of discriminants 694
 Estimation for 214 nodes takes 0.950 second. 1.21761894909756463094490096623
 Number of discriminants 809
 Estimation for 205 nodes takes 0.960 second. 1.75385873341058942501259955289
 delta 1.10
 The time of estimation is 1.910
 n1 3490561608359778585023037265271070793079332003130147739444310069847159524319
 0869792733488608313636857566800251456850384218129351430724828730102689301484629
 3369939140728857946204802165603400860879060356676765755075672705573091377889103
 6068184964313569217458751756932565054868739375718042077065278624232752338423403
 6701789500944999992537300308162502228291792076954574388537460471657478265483076
 4866676866766959510821533809172429395670592826538366418227132913644265436152130
 1577811171257896881068655437945563137991586293472629779355691325895741220564604
 6538058263621046319798128868971686884146891523563614969254075493167737755574228
 8407707991114721833624628237102639502858815601790205928350208790779664131311134
 7148734527723303583961683997269676922222977916607492329047866266732958719028254
 1666631285458922650218858130716188795394820301378321257463213134939469761340731

5363621995831798408824742230299619853340786462856433843887717824865910234508245
79280248182772898050462570717063535263080399559
SLimit: 23231.9334238208850442512584149
BLimit: 5212599.90134461264982254158787
delta 0.90
Number of discriminants 697
Estimation for 126 nodes takes 0.910 second.
0.542446059225054358631965350486
Number of discriminants 811
Estimation for 149 nodes takes 0.930 second.
0.844829921122016289718603222270
Number of discriminants 1754
Estimation for 306 nodes takes 1.040 second. 1.24185933444614767505529360092
Number of discriminants 3802
Estimation for 612 nodes takes 1.310 second. 1.84821332504348462618793311792
delta 1.30
The time of estimation is 4.190
Time of sorting a list with 10 element is 0.000 seconds.
Level completed in 31.000
n1: 18753461095451508721872001100851659024378356550239834278681742271965184660
5563994664610619299777321360329056358783438018807118822802312781598202448199088
2874308535695549643401150279966611465995519946491117806461101206619347251283177
9119920120116403549439342488315295761555031633486257961006163070896957854432618
1892868203176319513683807804698664032405169664782702447038988129457346998148651
2811153667494218188153432108504266123040453317753191417934732318033972353812846
4339370361349697946777328590993932317747889115512284349084885775052869163470753
920681020153577048434776312864228556952310957307733154383755098828239215418434
6188658266747040704238072993029092355830161396651326918845163395774603870905517
7142466881771074921945481651587911156983553377729620620097512420802198796285347
2178050636443811543538025882839176073436800075052209949483957972693803170003629
2561618684119981387335783941969826446675269190308292189646503676628265272401074
7656547568497343458098663570194515334186393
SLimit: 23041.1418821054202584404994221 1.30
DLimit, delta: 2268.67510983327982455156385710 1.00
exponent: 1.00
BLimit: 5146886.75397704427527839528526 2
Number of discriminants 692
Filtering discriminants and reduction takes 6.360 seconds for 692 D-s, where
144 was succesful
On average that is 0.009
The time for 144 trial divisions is 0.030 seconds, 0.000 on average
Batch trial division takes: 3.380 seconds for 144 D, that is 0.023 on
average
Time of Miller-Rabin test for 140 is 6.590 seconds, 0.047 on average
This resulted 2 new nodes
n1 4014406635871605817204630045968622754755564898374226110911233659604725176847
6568761937603988947841854995546106571785781614378653525365479500445685621444320
2583601927249190191271846926719755055060011814587489939688198198690627770925747
7000147629348459400178886688088616455559400668183505732549263315297122734378950
8330013944634915376194169850316475811295457388486793393340097125176909681216360
0739143731831700636206929883594001274169405214678569000437478442381296673146835
3904649950078763272688983161729382376301300416672565704635803606540371641357796
2331786124000942994352061732219436866970387014953907462122521193121132061442315
4509544108089861012188765094999305516021944497605988079750326739865333395084044
1821112516377796698759978373045364321941904247173912503696998701807871788178405
2824538231133049192695703354776610246738630259290541670876914187218808863786633
3959645486674727017803226999089758095102071549136144594526951188098816758377324

34582408651135040364327355778527
 SLimit: 22777.9284696013767781452626369
 BLimit: 5056709.88792589517144870338196
 delta 0.90
 Number of discriminants 686
 Estimation for 121 nodes takes 0.870 second.
 0.545549172781241094447958994747
 Number of discriminants 796
 Estimation for 128 nodes takes 0.880 second.
 0.785889074573272309099917242234
 Number of discriminants 1723
 Estimation for 260 nodes takes 0.980 second. 1.12135863967126430921575312553
 Number of discriminants 3721
 Estimation for 553 nodes takes 1.200 second. 1.62369163050698624287048549712
 delta 1.30
 The time of estimation is 3.930
 n1 1315847677199797131761998393267727969715012387751882843017242651695564458360
 6791654828137756088782020792103308923901067836592676312258825540148922831819273
 6058696021298740064633053604168640611529606124832851982956862659230090603647060
 9031723275077431198382156070396839850900339144418885841016213226000410779723420
 5225105471254526640738689636448500730084876844141344866614378996445902199596637
 7431495052920164759572839496510393140643651259696282482088992284168702905756836
 509755525519081306295519765967325348523001503069094798908166313236169054783626
 8358497118892593544326524558434873487174248717438465452118712472379071199893212
 8667242635288773563719236924023065842129725060360759381845111226962621628400906
 4430695507217896245277732658100299877214857812791408486911863619002714246142215
 5507133409360351907210736748317371503408507162078470272073344396632201158429579
 9198396677873284880832543308123414866817904040401006249288090431246082334597859
 4065700053066097168529143443398620039
 SLimit: 22914.9390101180688950299944814
 BLimit: 5103580.05831182798542943303357
 delta 0.90
 Number of discriminants 688
 Estimation for 110 nodes takes 0.870 second.
 0.351857708139212223060213257246
 Number of discriminants 802
 Estimation for 121 nodes takes 0.870 second.
 0.568747100866356740813682249125
 Number of discriminants 1730
 Estimation for 257 nodes takes 0.980 second.
 0.897637267369081806492094435853
 Number of discriminants 3746
 Estimation for 541 nodes takes 1.190 second. 1.36527390867787173390089958835
 Number of discriminants 8113
 Estimation for 466 nodes takes 1.650 second. 1.79766732560926165598180782213
 delta 1.40
 The time of estimation is 5.560
 Time of sorting a list with 12 element is 0.000 seconds.
 Level completed in 26.970
 n1: 40144066358716058172046300459686227547555648983742261109112336596047251768
 4765687619376039889478418549955461065717857816143786535253654795004456856214443
 2025836019272491901912718469267197550550600118145874899396881981986906277709257
 4770001476293484594001788866880886164555594006681835057325492633152971227343789
 5083300139446349153761941698503164758112954573884867933933400971251769096812163
 6007391437318317006362069298835940012741694052146785690004374784423812966731468
 3539046499500787632726889831617293823763013004166725657046358036065403716413577
 9623317861240009429943520617322194368669703870149539074621225211931211320614423

1545095441080898610121887650949993055160219444976059880797503267398653333950840
 4418211125163777966987599783730453643219419042471739125036969987018078717881784
 0528245382311330491926957033547766102467386302592905416708769141872188088637866
 3339596454866747270178032269990897580951020715491361445945269511880988167583773
 2434582408651135040364327355778527
 SLimit: 22777.9284696013767781452626369 1.30
 DLimit, delta: 22777.9284696013767781452626372 1.30
 exponent: 1.30
 BLimit: 5056709.88792589517144870338196 2
 Number of discriminants 6923
 Filtering discriminants and reduction takes 43.250 seconds for 6923 D-s,
 where 158 was succesful
 On average that is 0.006
 The time for 158 trial divisions is 0.040 seconds, 0.000 on average
 Batch trial division takes: 3.420 seconds for 158 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 150 is 6.890 seconds, 0.046 on average
 This resulted 2 new nodes
 n1 2380619909956354322099206101297276014942895017224802728879806850571165680318
 0340954321024607354347085453448226639882244855600457187812895644759692190446485
 7253640561219004542953616476334673076126964877626746184330817273148848377772823
 6129949418799318988613733380652734860040457285306441362839813580358800778979622
 1415740137579950317262260674804178408350726678250589217896028109487537943511143
 0431476611441414720058279355133811594154320485084260098721799937917881421658033
 6178709752590950014865930499700198783524284196760871065131323908059669872862805
 4765030761006650167186313888610613247291928117241828914537070907241246664025802
 0395710489737089002278458218441371308110361583509763225605368595429493450149167
 0324007157166626214815842440880487724370922668404198698042156259732829781089583
 9469464538615163621959514236878342631761291478227059197050285451510946825467942
 7398270676256212019532202609600566261578954093210133673064021523622590601316759
 2384677782371300609399
 SLimit: 22468.3290154446409719980037638
 BLimit: 4951357.32242835115914678691523
 delta 0.90
 Number of discriminants 677
 Estimation for 296 nodes takes 0.980 second. 2.04311528297746723077498615606
 delta 1.00
 The time of estimation is 0.980
 n1 6119522310779886916470472631049729809078605028009491022730539115251105452511
 6720673685371934371710144810283699042356374412162581593544938262874520764396829
 6621344401294497242792449583414260754664652156383368810500302132150347211777054
 4207542117909236890516595561110695816401525408816319714251925785513906607284986
 0259167598528834414930136966945847273316246019034746026433074885940411099415183
 0395036176572714384461783359137197064282629900424647866520546406069049806626273
 4610746875120065995662970513501484417185799922955618219562714712531793847306638
 4751682293203190312881891566724483349521726667407624871651018303511482436351573
 8318809386652554710021421852063355612003845272654376197196486261932933159419726
 6170157004302391489985440107039723868531494153594186825303230475747168183683141
 3583734940988874739775299943262872647616564477081706571060459456618229849212080
 9680849942421218020143093113766557263066299758140088213094029241588216026148159
 57350171577448428596519100151
 SLimit: 22692.5549472333429085480061018
 BLimit: 5027580.93080959162873925052416
 delta 0.90
 Number of discriminants 682
 Estimation for 157 nodes takes 0.900 second.
 0.770096835096437876759437621151

Number of discriminants 795
 Estimation for 151 nodes takes 0.920 second. 1.12576904325714975533424718876
 Number of discriminants 1717
 Estimation for 345 nodes takes 1.060 second. 1.68263877960552523716868388656
 delta 1.20
 The time of estimation is 2.880
 Time of sorting a list with 14 element is 0.000 seconds.
 Level completed in 58.540
 n1: 23806199099563543220992061012972760149428950172248027288798068505711656803
 1803409543210246073543470854534482266398822448556004571878128956447596921904464
 8572536405612190045429536164763346730761269648776267461843308172731488483777728
 2361299494187993189886137333806527348600404572853064413628398135803588007789796
 2214157401375799503172622606748041784083507266782505892178960281094875379435111
 4304314766114414147200582793551338115941543204850842600987217999379178814216580
 3361787097525909500148659304997001987835242841967608710651313239080596698728628
 0547650307610066501671863138886106132472919281172418289145370709072412466640258
 0203957104897370890022784582184413713081103615835097632256053685954294934501491
 6703240071571666262148158424408804877243709226684041986980421562597328297810895
 8394694645386151636219595142368783426317612914782270591970502854515109468254679
 4273982706762562120195322026096005662615789540932101336730640215236225906013167
 592384677782371300609399
 SLimit: 22468.3290154446409719980037638 1.30
 DLimit, delta: 2225.16456075238425480331774841 1.00
 exponent: 1.00
 BLimit: 4951357.32242835115914678691523 2
 Number of discriminants 677
 Filtering discriminants and reduction takes 8.420 seconds for 677 D-s, where
 168 was successful
 On average that is 0.012
 The time for 168 trial divisions is 0.040 seconds, 0.000 on average
 Batch trial division takes: 3.400 seconds for 168 D, that is 0.020 on
 average
 Time of Miller-Rabin test for 163 is 7.730 seconds, 0.047 on average
 This resulted 3 new nodes
 n1 3338503267454359008945989371875912961999908870287769575475131612962312335667
 8550729681136208215553774406024887305607007426376363364296987217086010251930338
 4267740732062327569071656022234073422514956074531253413825681933512156248629639
 8903277919447073243694583189337430386549135139544569140685215656530544649940570
 6815140149183752618587340375279321265988005102163276515813131919963451426924248
 3916919015315833735426991859446081216910193085045520977620743728498739863210346
 1292855994543050758107062361490457808057400420471415392514393879672287801050558
 4579290088945963661400140910946005239518548083020422818972216928854448361464602
 6350212773235294184668906351106623604942958255732579336018172456750849072173906
 6114043726707481105167836142619988856903590327842711945762372098176434380747482
 6152967010347176530324363504588283247666781270691181884671393690009943617013937
 1215491016762727555283286241286888360058373546975369227110449864600813358288107
 6221943858453389
 SLimit: 22291.5783080322536810441728321
 BLimit: 4891560.32309319905574021191032
 delta 0.90
 Number of discriminants 673
 Estimation for 252 nodes takes 0.920 second. 1.87068904449140293508849212027
 delta 1.00
 The time of estimation is 0.920
 n1 9776255593011034937724245458499004621334017016212871108912830214114738755790
 4471243614336830600857644903249416205148711741266316296194723694592478146504156
 3948154005820714609945269180842678900478028361937503220933550571757298159638453

2775394475140770121578927966332176613567458660108321298966342219300698364339355
 2865668725360191257795398778878349377894031130705666854048238225092390072502624
 2950923703634073616807657312105813937122687511844504787975379852022260329160617
 4433247009536662404053242489192804468185691833258928799045293540585778247487680
 8086521541019285045775876420595392683569781267382139633181770702783938056204058
 9292452101309400936432816476968843967127871317812325259154003810466867430023126
 7483016433727600650332329789936161149321343691305650513543271430327535473514716
 950557360313222057709980765877558915748549911063491047152542911037957587059641
 9483200477027987887588152594493568378342742309105287754632027972981587345377574
 79110638216743
 SLimit: 22245.3272480828367766918853311
 BLimit: 4875955.02089024689412237387563
 delta 0.90
 Number of discriminants 672
 Estimation for 176 nodes takes 0.880 second.
 0.937072496898911473267683418771
 Number of discriminants 781
 Estimation for 182 nodes takes 0.910 second. 1.40579688798640402127206543722
 delta 1.10
 The time of estimation is 1.790
 n1 1446459723159233045193194649837080331139462528706518164970697481992109941510
 9777561243746265397241400436628652735461865304977825616699927363661488547672017
 8006017505606504385503385533609003126704157721302259550260936764795570126831536
 4655621229678984722095165180014226879148641843064245495831114567470823932069776
 4812767510399826069504275225705540482868460743273433443304859684788346551771448
 9972797495044716875383606353046106512651940551018832007287618902753970883275798
 4275197296357938249861976962432754596707645168183853667232515319357360812425042
 7165604511350480668670351328766972797051481921309953105108284835227728410618272
 1701749057467533799597787824851999795954725326766532671405491940803447657629728
 1522516715593811390613472240016392669427763790724327511789450207950532103971948
 6459274430072183351449111925230076094093603381285124412337938509736454171916389
 0092993389061177001240529796112992960781115951841597108880771328822652627402131
 0789582389
 SLimit: 22099.7898885518589552300931211
 BLimit: 4826964.09941453197633562594120
 delta 0.90
 Number of discriminants 669
 Estimation for 235 nodes takes 0.900 second. 1.44287434557866484653798963231
 delta 1.00
 The time of estimation is 0.900
 Time of sorting a list with 17 element is 0.000 seconds.
 Level completed in 24.250
 n1: 14464597231592330451931946498370803311394625287065181649706974819921099415
 109775612437462653972414004366286527354618653049778256166999273636614885476720
 1780060175056065043855033855336090031267041577213022595502609367647955701268315
 3646556212296789847220951651800142268791486418430642454958311145674708239320697
 7648127675103998260695042752257055404828684607432734334433048596847883465517714
 4899727974950447168753836063530461065126519405510188320072876189027539708832757
 9842751972963579382498619769624327545967076451681838536672325153193573608124250
 4271656045113504806686703513287669727970514819213099531051082848352277284106182
 7217017490574675337995977878248519997959547253267665326714054919408034476576297
 2815225167155938113906134722400163926694277637907243275117894502079505321039719
 4864592744300721833514491119252300760940936033812851244123379385097364541719163
 8900929933890611770012405297961129929607811159518415971088807713288226526274021
 310789582389
 SLimit: 22099.7898885518589552300931211 1.30
 DLimit, delta: 2197.03529771702393018529247251 1.00

exponent: 1.00
 BLimit: 4826964.09941453197633562594120 2
 Number of discriminants 669
 Filtering discriminants and reduction takes 10.350 seconds for 669 D-s,
 where 108 was succesful
 On average that is 0.015
 The time for 108 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.220 seconds for 108 D, that is 0.030 on
 average
 Time of Miller-Rabin test for 102 is 5.510 seconds, 0.054 on average
 This resulted 3 new nodes
 n1 6529923698027122826897780711413939760236837779838691563549224003124473524117
 0487269313227314021743244451796863542517308526506746195812549466334805248787394
 8449940773574874490168209620716677960404752423914043452450479159395384580245071
 7930686664088865062220710704877724187793654277136710099119077106126398880739355
 4823170296935053640333052201142330490913428105743167736831373781562424476142199
 6378522634364728290203064626357909881618150447576692093166836646934014483497763
 9073174686544252595081049284914916930899289586729216537836494465014229924742508
 8737017806158823275724923132153404406336475441003018355378078803154817469865854
 9860433042920172341622054413870487955143220379382638380542098412212177146275018
 3527931113740929669023035914195597005036235841013837169653139663903400145666474
 6355288475600731584844543034178913223573913607947159346823827683457271529930709
 9602002236060197499543281269486514640262100090029793849453619246914926479107164
 813
 SLimit: 21908.9210989718268019732325685
 BLimit: 4762976.60358667611443544795500
 delta 0.90
 Number of discriminants 665
 Estimation for 117 nodes takes 0.810 second.
 0.490253233284106483335899180582
 Number of discriminants 767
 Estimation for 134 nodes takes 0.820 second.
 0.767284483445449350730242122229
 Number of discriminants 1659
 Estimation for 251 nodes takes 0.910 second. 1.15823761048696685973207163437
 Number of discriminants 3569
 Estimation for 581 nodes takes 1.090 second. 1.77148546121139366306383893990
 delta 1.30
 The time of estimation is 3.630
 n1 2511214797151446259015962933744931130450455779004371814185238684014079759567
 6697154937059488536877431313591410999065738376697613917881818339690084284152808
 6816002613900181224832266551404519317194718266149756163647459661103420359082528
 5860453523748237364748550659746921665188614310875426208040129457414624882065584
 168883248333031370667144489072118893868855457071933061293159174979768319047654
 5091662317785966797540983251816157140020730123296583345985449483947866116798261
 1588886962166002383166812128606974651164939889447457624759685944165905856381909
 9111846189686246399842877259052778864802120002944664769706958623889388316242796
 1230730419973340860650845872488664337785658066273543885811566300389875525660909
 8492988186819284052320039903099916910120011561864196652607810104599978706554931
 3274053582230640231025401543413573559949160444208490686395313305328060517028815
 3228046117841017996346867406272677114167099014326128970654775139264915813432534
 4216981
 SLimit: 22016.7097763426458272953572585
 BLimit: 4799075.31374584942546819013469
 delta 0.90
 Number of discriminants 667
 Estimation for 249 nodes takes 0.920 second. 1.69005015642710712727423429288

delta 1.00
 The time of estimation is 0.920
 n1 6026915513163471021638311040987834713081093869610492354044572841633791422962
 4073171848942772488505835152619386397757772104074273402916364015256202281966740
 8358406273360434939597439723370846361267323838759414792753903186648208861798068
 6065088456995769675396521583392611996452674346101022899296310697795099716957402
 0053197959999275289601146773773085345285253096972639347103582019951443965714370
 8219989562686320314098359804358777136049752295911800030365078761474878680315826
 7813313767497267799234027568039967161775481145708163836438844626911407662193197
 188782401082811065882145063566032076977069852687396791014256010880302412362841
 4035876096116337675643095041188532868370814211026935549161311234865458723171175
 2152425644734474581456789749349874136360270563056010692775134458427201736093312
 4861611864707103114403621241615608915086925166334084549366861063709584501555874
 8264258852986549865553253930409749755132740086366656060834364282035832143674072
 31272051
 SLimit: 22058.2408061143891549191853969
 BLimit: 4813009.60655404211165318961551
 delta 0.90
 Number of discriminants 668
 Estimation for 193 nodes takes 0.910 second. 1.22699965985549476889501543059
 Number of discriminants 774
 Estimation for 212 nodes takes 0.940 second. 1.84358673781262056751205240826
 delta 1.10
 The time of estimation is 1.850
 Time of sorting a list with 20 element is 0.000 seconds.
 Level completed in 26.550
 n1: 25112147971514462590159629337449311304504557790043718141852386840140797595
 6766971549370594885368774313135914109990657383766976139178818183396900842841528
 0868160026139001812248322665514045193171947182661497561636474596611034203590825
 2858604535237482373647485506597469216651886143108754262080401294574146248820655
 841688832483330313706671444890721188938688554570719330612931591749797683190476
 5450916623177859667975409832518161571400207301232965833459854494839478661167982
 6115888869621660023831668121286069746511649398894474576247596859441659058563819
 0991118461896862463998428772590527788648021200029446647697069586238893883162427
 9612307304199733408606508458724886643377856580662735438858115663003898755256609
 0984929881868192840523200399030999169101200115618641966526078101045999787065549
 3132740535822306402310254015434135735599491604442084906863953133053280605170288
 1532280461178410179963468674062726771141670990143261289706547751392649158134325
 344216981
 SLimit: 22016.7097763426458272953572585 1.30
 DLimit, delta: 2190.67919005632803894599858931 1.00
 exponent: 1.00
 BLimit: 4799075.31374584942546819013469 2
 Number of discriminants 667
 Filtering discriminants and reduction takes 9.910 seconds for 667 D-s, where
 162 was succesful
 On average that is 0.015
 The time for 162 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.390 seconds for 162 D, that is 0.021 on
 average
 Time of Miller-Rabin test for 157 is 7.250 seconds, 0.046 on average
 This resulted 3 new nodes
 n1 4047180205221535242252313546355359360430266719584591811691346836945485759760
 7466630144540831283331421957428392018551749265491312064028651612496946525285482
 6971093163105500277067933386063093639553252486498582802196913515818388725581058
 4732256602530892325993741614380775891374816221187262021857480674803972524645138
 3023876385058114067457377334312943344207327762281206471042577766073008143076825

1347027742540875020612397800429409487572052768272083369730025183973072511293900
 7639571311930352040079841056968393017446331961643181590049269299194383586835666
 4857430138148824852959464111585898520178206193107306035933407039058097097453489
 9692397919581775722139107366640593173565320042439065075202469906170080590549141
 8003979992005322657016286660781748358908146746402155508078017286095726867520235
 899258474551732131686029877790068071894660738114326303961148248577129629029635
 9227255827828391814533767413322837123839395152155168267755265461668869
 SLimit: 21542.7920133046760684677135852
 BLimit: 4641073.47400809380000288256664
 delta 0.90
 Number of discriminants 656
 Estimation for 151 nodes takes 0.810 second.
 0.889297923676108071899064023116
 Number of discriminants 757
 Estimation for 196 nodes takes 0.830 second. 1.40341342677482279712490694640
 delta 1.10
 The time of estimation is 1.640
 n1 5210503424021411015550105023113424460218214603810468611112307207973752396310
 4925580989825752216304681524236837960526648772461457187712289290180580070509549
 1282846382441703758914254325008820200734495445288584338230831172781425779966867
 3236311262660538591801422136504379472015226413206326984651733134971761864800765
 5844410145715441416565244117436301045304934693372256001590545298835152094527981
 3613768252104113871430745787410316750970830505730456291141714757334944036133136
 8048521857037030900340382374916498920948951195719901049583278119892483416675805
 4344515777049102040076551728971299254437018938670403893453668041597328076006631
 1893204874264549913439553668863413467085396466863000546708375496602502501850183
 7960367719949600939278521823743661936596966733643212796207197328289613722744299
 6805887940254996017576742095222702685694887094711252381349178090901900330292326
 78194022628405309053269545473574158991991417773472347917216220159408446235207
 SLimit: 21755.8503927551400168922220910
 BLimit: 4711876.99026681530514476760742
 delta 0.90
 Number of discriminants 662
 Estimation for 130 nodes takes 0.790 second.
 0.546801662887580884769228117992
 Number of discriminants 762
 Estimation for 143 nodes takes 0.800 second.
 0.846578609791971860291851850250
 Number of discriminants 1648
 Estimation for 270 nodes takes 0.900 second. 1.24089306196366774206852175935
 Number of discriminants 3541
 Estimation for 580 nodes takes 1.100 second. 1.82335559787386997522197921137
 delta 1.30
 The time of estimation is 3.600
 n1 1912751338698965445958605655751760110445023698017585681902366926369830223591
 0197530289248769403542667816899881773054816639487649117422165724197055980358794
 8375165532725923117620502071035356728154791582244016189533589176314695121346246
 1530081858343005852055849429511729457894385637641192736558923259483675686464036
 0395815031681640158980913145549816839564999069898481100228572700885502076861197
 3608472841421723808006157985160917872493722213773262890348289177701215167899786
 6795227392498460989745719552385819325011250685657550409604827557275024237156055
 8084991246497243068338381297964427231195310827412053343094075728331188481584764
 6125971523759675618740846543239797416038595602086514185373304740282191563955342
 5307706830542408632234603862106769022839033953666436332195061178804327915663665
 6408634209962817801005527593913165109808009154976961414577114414760227231990397
 3809896153616810330926882054238760663273822281411802266676230071072988961791
 SLimit: 21712.8019207792545970885310820

BLimit: 4697540.89854470501684690856467
 delta 0.90
 Number of discriminants 661
 Estimation for 157 nodes takes 0.820 second.
 0.939104277049710091666127298889
 Number of discriminants 761
 Estimation for 172 nodes takes 0.840 second. 1.35949117241825971718580830829
 Number of discriminants 1645
 Estimation for 352 nodes takes 0.980 second. 1.98617355156069411025239095744
 delta 1.20
 The time of estimation is 2.640
 Time of sorting a list with 23 element is 0.000 seconds.
 Level completed in 29.530
 n1: 40471802052215352422523135463553593604302667195845918116913468369454857597
 6074666301445408312833314219574283920185517492654913120640286516124969465252854
 8269710931631055002770679333860630936395532524864985828021969135158183887255810
 5847322566025308923259937416143807758913748162211872620218574806748039725246451
 3830238763850581140674573773343129433442073277622812064710425777660730081430768
 2513470277425408750206123978004294094875720527682720833697300251839730725112939
 0076395713119303520400798410569683930174463319616431815900492692991943835868356
 6648574301381488248529594641115858985201782061931073060359334070390580970974534
 8996923979195817757221391073666405931735653200424390650752024699061700805905491
 4180039799920053226570162866607817483589081467464021555080780172860957268675202
 358992584745517321316860298777900680718946607381143263039611482485771296290296
 359227255827828391814533767413322837123839395152155168267755265461668869
 SLimit: 21542.7920133046760684677135852 1.30
 DLimit, delta: 4641.30537874874550593802025749 1.10
 exponent: 1.10
 BLimit: 4641073.47400809380000288256664 2
 Number of discriminants 1412
 Filtering discriminants and reduction takes 15.440 seconds for 1412 D-s,
 where 120 was succesful
 On average that is 0.011
 The time for 120 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.200 seconds for 120 D, that is 0.027 on
 average
 Time of Miller-Rabin test for 118 is 4.450 seconds, 0.038 on average
 This resulted 1 new nodes
 n1 4935585616123823466161357983360194341988130145834868063038227849933519219220
 4227597737244916199184660923693160998233840567672331785400794649386520152787174
 0208650198909146679351138275686699560430795715242174149020626238802913079976900
 5771044637232795519504562944366799867530263684374709782753025213175576249567241
 8321800469583065935923630895503589444155277758879520086637289958625619686679055
 0423204564074237830015119268816353033624454595453760206987835590211064038162292
 7767485291420119928883458751137403187953656270608191987789379349045222275882922
 4121104696754552691914374347967759441094241743303738375327666692384849868252538
 5873355703990142401052096084033171272816853392092310464068955969726654775507030
 158998484897131682058457813912391323309409216849912836001110476884719392593039
 8690229915654958206641975566632869580164653489427865116566500487156823377128553
 67054674041948643113640255963502015465223252854684557456120902509199
 SLimit: 21485.5232028002543065984508622
 BLimit: 4622105.96970655784130395032006
 delta 0.90
 Number of discriminants 655
 Estimation for 163 nodes takes 0.810 second.
 0.857858577516365410716791458694
 Number of discriminants 755

Estimation for 156 nodes takes 0.820 second. 1.23399979533311900278298389826
 Number of discriminants 1626
 Estimation for 318 nodes takes 0.940 second. 1.79970622214311834151983718395
 delta 1.20
 The time of estimation is 2.570
 Time of sorting a list with 24 element is 0.000 seconds.
 Level completed in 26.670
 n1: 49355856161238234661613579833601943419881301458348680630382278499335192192
 2042275977372449161991846609236931609982338405676723317854007946493865201527871
 7402086501989091466793511382756866995604307957152421741490206262388029130799769
 0057710446372327955195045629443667998675302636843747097827530252131755762495672
 4183218004695830659359236308955035894441552777588795200866372899586256196866790
 5504232045640742378300151192688163530336244545954537602069878355902110640381622
 9277674852914201199288834587511374031879536562706081919877893793490452222758829
 2241211046967545526919143743479677594410942417433037383753276666923848498682525
 3858733557039901424010520960840331712728168533920923104640689559697266547755070
 3015899848489713168205845781391239132333094092168499128360011104768847193925930
 3986902299156549582066419755666328695801646534894278651165665004871568233771285
 5367054674041948643113640255963502015465223252854684557456120902509199
 SLimit: 21485.5232028002543065984508622 1.30
 DLimit, delta: 9974.79408140294324402087254375 1.20
 exponent: 1.20
 BLimit: 4622105.96970655784130395032006 2
 Number of discriminants 3034
 Filtering discriminants and reduction takes 19.550 seconds for 3034 D-s,
 where 124 was succesful
 On average that is 0.006
 The time for 124 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.180 seconds for 124 D, that is 0.026 on
 average
 Time of Miller-Rabin test for 120 is 3.840 seconds, 0.032 on average
 This resulted 0 new nodes
 Time of sorting a list with 24 element is 0.000 seconds.
 Level completed in 27.570
 n1: 49355856161238234661613579833601943419881301458348680630382278499335192192
 2042275977372449161991846609236931609982338405676723317854007946493865201527871
 7402086501989091466793511382756866995604307957152421741490206262388029130799769
 0057710446372327955195045629443667998675302636843747097827530252131755762495672
 4183218004695830659359236308955035894441552777588795200866372899586256196866790
 5504232045640742378300151192688163530336244545954537602069878355902110640381622
 9277674852914201199288834587511374031879536562706081919877893793490452222758829
 2241211046967545526919143743479677594410942417433037383753276666923848498682525
 3858733557039901424010520960840331712728168533920923104640689559697266547755070
 3015899848489713168205845781391239132333094092168499128360011104768847193925930
 3986902299156549582066419755666328695801646534894278651165665004871568233771285
 5367054674041948643113640255963502015465223252854684557456120902509199
 SLimit: 21485.5232028002543065984508622 1.30
 DLimit, delta: 21485.5232028002543065984508624 1.30
 exponent: 1.30
 BLimit: 4622105.96970655784130395032006 2
 Number of discriminants 3493
 Filtering discriminants and reduction takes 28.110 seconds for 3493 D-s,
 where 56 was succesful
 On average that is 0.008
 The time for 56 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 3.020 seconds for 56 D, that is 0.054 on
 average

Time of Miller-Rabin test for 54 is 1.730 seconds, 0.032 on average
This resulted 0 new nodes
Time of sorting a list with 24 element is 0.000 seconds.
Level completed in 33.860
n1: 49355856161238234661613579833601943419881301458348680630382278499335192192
2042275977372449161991846609236931609982338405676723317854007946493865201527871
7402086501989091466793511382756866995604307957152421741490206262388029130799769
0057710446372327955195045629443667998675302636843747097827530252131755762495672
4183218004695830659359236308955035894441552777588795200866372899586256196866790
5504232045640742378300151192688163530336244545954537602069878355902110640381622
9277674852914201199288834587511374031879536562706081919877893793490452222758829
2241211046967545526919143743479677594410942417433037383753276666923848498682525
3858733557039901424010520960840331712728168533920923104640689559697266547755070
3015899848489713168205845781391239132333094092168499128360011104768847193925930
3986902299156549582066419755666328695801646534894278651165665004871568233771285
5367054674041948643113640255963502015465223252854684557456120902509199
SLimit: 21485.5232028002543065984508622 1.30
DLimit, delta: 46279.4222648394456825556477079 1.40
exponent: 1.40
BLimit: 4622105.96970655784130395032006 2
Number of discriminants 7539
Filtering discriminants and reduction takes 22.550 seconds for 7539 D-s,
where 62 was succesful
On average that is 0.003
The time for 62 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 3.060 seconds for 62 D, that is 0.049 on
average
Time of Miller-Rabin test for 59 is 2.530 seconds, 0.043 on average
This resulted 1 new nodes
n1 1240551251278473520049313836339840525356871384628380577811635590263769502176
2412282348077017977150787285886349343853233383041991438879689437556919912189037
9656778814561537984644908292702023675216682368165093489309278207723390337514019
6328300091346470397705528208515486175096121369712701931026357197066661380032042
2966221748916753612269289437540096989682941829149067581392301841945638759737565
8516175924341937265172345137700258813542598939033461978605193006559963960613327
1989968225848879431219554742716873179847910605058280179189121115408065046262800
6430752826149389559098520959724187282680819552233835914752578872955568329458506
0926919564240753663087049737801580924268415665059991051242187953288311938438322
7617973927483492310571822176599298439306084098598614750202470988476429705161939
2188318672019612677979957235625761635728547039579550289708297499784205586099461
676707089632154910745217944835421172974835000131629681876541
SLimit: 21228.6210046014685136518284417
BLimit: 4537354.83821341310800594625170
delta 0.90
Number of discriminants 647
Estimation for 244 nodes takes 0.840 second. 1.60211627985804596284598860817
delta 1.00
The time of estimation is 0.840
Time of sorting a list with 25 element is 0.010 seconds.
Level completed in 29.980
n1: 12405512512784735200493138363398405253568713846283805778116355902637695021
7624122823480770179771507872858863493438532333830419914388796894375569199121890
3796567788145615379846449082927020236752166823681650934893092782077233903375140
1963283000913464703977055282085154861750961213697127019310263571970666613800320
4229662217489167536122692894375400969896829418291490675813923018419456387597375
6585161759243419372651723451377002588135425989390334619786051930065599639606133
2719899682258488794312195547427168731798479106050582801791891211154080650462628

0064307528261493895590985209597241872826808195522338359147525788729555683294585
 0609269195642407536630870497378015809242684156650599910512421879532883119384383
 2276179739274834923105718221765992984393060840985986147502024709884764297051619
 3921883186720196126779799572356257616357285470395795502897082974997842055860994
 61676707089632154910745217944835421172974835000131629681876541
 SLimit: 21228.6210046014685136518284417 1.30
 DLimit, delta: 2130.10676685780544186819321046 1.00
 exponent: 1.00
 BLimit: 4537354.83821341310800594625170 2
 Number of discriminants 647
 Filtering discriminants and reduction takes 9.310 seconds for 647 D-s, where
 112 was succesful
 On average that is 0.014
 The time for 112 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 3.120 seconds for 112 D, that is 0.028 on
 average
 Time of Miller-Rabin test for 111 is 4.020 seconds, 0.036 on average
 This resulted 1 new nodes
 n1 8464228946251968560146515081055651629028079096015260076223599180315558405722
 0137839770182432092128949031729137740872474707581612393764426718409158539539300
 0032605650511298713496549580401897295493316013243999135594540321793826161363088
 0218198816533871876487597285250717605251776491585259211172983795929842116973078
 6320117825091793429964312092601846222011829843270295443576197715302794408842320
 4307851343726544480038380077647026647352685100252872319295277193307797027597945
 6789292245437057462859036403688704443288780146344847669658748879841971067756158
 1299582294544415644737360588298626749843189106327043827362523292796031408795324
 1552582217701502954436594459622653130920831981740395259099157430271609129981451
 6913119620982077424516332441232993448061060940056628928800108121661153094324774
 8222357666059430966377099475691321336893701772965222518548064934671235695768821
 007965138488907069078216847104043536474408714929595731
 SLimit: 21074.6383736329084323319989932
 BLimit: 4486820.16795094025775642650590
 delta 0.90
 Number of discriminants 643
 Estimation for 166 nodes takes 0.780 second.
 0.971591973681265758814368277801
 Number of discriminants 744
 Estimation for 173 nodes takes 0.800 second. 1.43768314579417918686840137904
 delta 1.10
 The time of estimation is 1.580
 Time of sorting a list with 26 element is 0.000 seconds.
 Level completed in 19.020
 n1: 84642289462519685601465150810556516290280790960152600762235991803155584057
 2201378397701824320921289490317291377408724747075816123937644267184091585395393
 0000326056505112987134965495804018972954933160132439991355945403217938261613630
 8802181988165338718764875972852507176052517764915852592111729837959298421169730
 7863201178250917934299643120926018462220118298432702954435761977153027944088423
 2043078513437265444800383800776470266473526851002528723192952771933077970275979
 4567892922454370574628590364036887044432887801463448476696587488798419710677561
 5812995822945444156447373605882986267498431891063270438273625232927960314087953
 2415525822177015029544365944596226531309208319817403952590991574302716091299814
 5169131196209820774245163324412329934480610609400566289288001081216611530943247
 7482223576660594309663770994756913213368937017729652225185480649346712356957688
 21007965138488907069078216847104043536474408714929595731
 SLimit: 21074.6383736329084323319989932 1.30
 DLimit, delta: 4555.81693706126758964868642896 1.10
 exponent: 1.10

BLimit: 4486820.16795094025775642650590 2
 Number of discriminants 1386
 Filtering discriminants and reduction takes 11.120 seconds for 1386 D-s,
 where 96 was succesful
 On average that is 0.008
 The time for 96 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 3.100 seconds for 96 D, that is 0.032 on
 average
 Time of Miller-Rabin test for 93 is 2.840 seconds, 0.031 on average
 This resulted 0 new nodes
 Time of sorting a list with 26 element is 0.000 seconds.
 Level completed in 18.040
 n1: 84642289462519685601465150810556516290280790960152600762235991803155584057
 2201378397701824320921289490317291377408724747075816123937644267184091585395393
 0000326056505112987134965495804018972954933160132439991355945403217938261613630
 8802181988165338718764875972852507176052517764915852592111729837959298421169730
 7863201178250917934299643120926018462220118298432702954435761977153027944088423
 2043078513437265444800383800776470266473526851002528723192952771933077970275979
 4567892922454370574628590364036887044432887801463448476696587488798419710677561
 5812995822945444156447373605882986267498431891063270438273625232927960314087953
 2415525822177015029544365944596226531309208319817403952590991574302716091299814
 5169131196209820774245163324412329934480610609400566289288001081216611530943247
 7482223576660594309663770994756913213368937017729652225185480649346712356957688
 21007965138488907069078216847104043536474408714929595731
 SLimit: 21074.6383736329084323319989932 1.30
 DLimit, delta: 9798.58124653963007351111574302 1.20
 exponent: 1.20
 BLimit: 4486820.16795094025775642650590 2
 Number of discriminants 1595
 Filtering discriminants and reduction takes 15.730 seconds for 1595 D-s,
 where 36 was succesful
 On average that is 0.010
 The time for 36 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 2.980 seconds for 36 D, that is 0.083 on
 average
 Time of Miller-Rabin test for 35 is 1.060 seconds, 0.030 on average
 This resulted 0 new nodes
 Time of sorting a list with 26 element is 0.000 seconds.
 Level completed in 20.750
 n1: 84642289462519685601465150810556516290280790960152600762235991803155584057
 2201378397701824320921289490317291377408724747075816123937644267184091585395393
 0000326056505112987134965495804018972954933160132439991355945403217938261613630
 8802181988165338718764875972852507176052517764915852592111729837959298421169730
 7863201178250917934299643120926018462220118298432702954435761977153027944088423
 2043078513437265444800383800776470266473526851002528723192952771933077970275979
 4567892922454370574628590364036887044432887801463448476696587488798419710677561
 5812995822945444156447373605882986267498431891063270438273625232927960314087953
 2415525822177015029544365944596226531309208319817403952590991574302716091299814
 5169131196209820774245163324412329934480610609400566289288001081216611530943247
 7482223576660594309663770994756913213368937017729652225185480649346712356957688
 21007965138488907069078216847104043536474408714929595731
 SLimit: 21074.6383736329084323319989932 1.30
 DLimit, delta: 21074.6383736329084323319989935 1.30
 exponent: 1.30
 BLimit: 4486820.16795094025775642650590 2
 Number of discriminants 3422
 Filtering discriminants and reduction takes 29.450 seconds for 3422 D-s,

where 96 was succesful
 On average that is 0.009
 The time for 96 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 3.130 seconds for 96 D, that is 0.033 on average
 Time of Miller-Rabin test for 95 is 2.900 seconds, 0.031 on average
 This resulted 0 new nodes
 Time of sorting a list with 26 element is 0.000 seconds.
 Level completed in 36.480
 n1: 84642289462519685601465150810556516290280790960152600762235991803155584057
 2201378397701824320921289490317291377408724747075816123937644267184091585395393
 0000326056505112987134965495804018972954933160132439991355945403217938261613630
 8802181988165338718764875972852507176052517764915852592111729837959298421169730
 7863201178250917934299643120926018462220118298432702954435761977153027944088423
 2043078513437265444800383800776470266473526851002528723192952771933077970275979
 4567892922454370574628590364036887044432887801463448476696587488798419710677561
 5812995822945444156447373605882986267498431891063270438273625232927960314087953
 2415525822177015029544365944596226531309208319817403952590991574302716091299814
 5169131196209820774245163324412329934480610609400566289288001081216611530943247
 7482223576660594309663770994756913213368937017729652225185480649346712356957688
 21007965138488907069078216847104043536474408714929595731
 SLimit: 21074.6383736329084323319989932 1.30
 DLimit, delta: 45327.0092276112870307167438651 1.40
 exponent: 1.40
 BLimit: 4486820.16795094025775642650590 2
 Number of discriminants 7373
 Filtering discriminants and reduction takes 28.140 seconds for 7373 D-s,
 where 92 was succesful
 On average that is 0.004
 The time for 92 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 3.100 seconds for 92 D, that is 0.034 on average
 Time of Miller-Rabin test for 91 is 3.380 seconds, 0.037 on average
 This resulted 1 new nodes
 n1 1229104617186084158882816391643890456549492354028208825415464921268504814596
 9670781931341382718671160826505356529568354709588559122016180457185676111165221
 8112626973137486199592906350163638611122241488890437687590872042662285073892846
 5870645293913290042327393782799784739018627240482866363344657488699606783848555
 6715329677643475412758921381340571585277256929248572633932505295186639716669181
 7949299548932918678579594870782985064597790619364390084846478936078972266852987
 4223914196676164891367342697045738674285942372332593138721515265129609607620115
 7515745898108016808828138212276541405200018773451189660338210405634859538560520
 1378754605603111815919114230626820463724296878126198011800448421016624486307753
 7288397004386954766473300770914526298081344799363146650649697656690442764747503
 0117507088080420277108154722999695304994668445902705032621248333220902059603260
 7286259859697458489002760617504376656896197328963
 SLimit: 20900.9384620334371041183674002
 BLimit: 4430052.79992118121769600143665
 delta 0.90
 Number of discriminants 642
 Estimation for 116 nodes takes 0.720 second.
 0.547310318875384357022601744056
 Number of discriminants 735
 Estimation for 122 nodes takes 0.750 second.
 0.837218454753491385245028786034
 Number of discriminants 1582
 Estimation for 267 nodes takes 0.830 second. 1.27292052878596255436986170713

Number of discriminants 3392
 Estimation for 572 nodes takes 1.030 second. 1.87662393840577833687761365740
 delta 1.30
 The time of estimation is 3.330
 Time of sorting a list with 27 element is 0.000 seconds.
 Level completed in 38.900
 n1: 12291046171860841588828163916438904565494923540282088254154649212685048145
 9696707819313413827186711608265053565295683547095885591220161804571856761111652
 2181126269731374861995929063501636386111222414888904376875908720426622850738928
 4658706452939132900423273937827997847390186272404828663633446574886996067838485
 5567153296776434754127589213813405715852772569292485726339325052951866397166691
 8179492995489329186785795948707829850645977906193643900848464789360789722668529
 8742239141966761648913673426970457386742859423723325931387215152651296096076201
 1575157458981080168088281382122765414052000187734511896603382104056348595385605
 2013787546056031118159191142306268204637242968781261980118004484210166244863077
 5372883970043869547664733007709145262980813447993631466506496976566904427647475
 0301175070880804202771081547229996953049946684459027050326212483332209020596032
 607286259859697458489002760617504376656896197328963
 SLimit: 20900.9384620334371041183674002 1.30
 DLimit, delta: 20900.9384620334371041183674005 1.30
 exponent: 1.30
 BLimit: 4430052.79992118121769600143665 2
 Number of discriminants 6348
 Filtering discriminants and reduction takes 37.230 seconds for 6348 D-s,
 where 134 was successful
 On average that is 0.006
 The time for 134 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.190 seconds for 134 D, that is 0.024 on
 average
 Time of Miller-Rabin test for 131 is 5.120 seconds, 0.039 on average
 This resulted 2 new nodes
 n1 2125632736430285801295014772052453965635633491911884242283286791187770981438
 1251028018853021667279734407597939452412283536981061380447538967514096659054739
 1371300301156090482321751465962745985373020232243981958028590772983562032223936
 1276041184153866181843546309945497015060836069527465478001240836171777292510861
 8915188899993904523734364148073554788366665391364288663563815947264306100806222
 0827870482218007849090491449393813992006278849877021401252925195981542252826822
 7291024687507858107193718895134989420043366786924062413024334364660229324260592
 4882417394265769769579872928876762189390236947591574644908396866992374041807341
 5594182491650921380268329486763945756486260731804735735404617473865772872026625
 0635265833793941837679331674107413796015360997583780024109179542680476314886719
 4495997735706846267709438325652511018389859792410306755527469059492761214351679
 98650333998137085467189167740920798707572413
 SLimit: 20759.4962570296080543791633658
 BLimit: 4384014.85142060808636530526590
 delta 0.90
 Number of discriminants 638
 Estimation for 147 nodes takes 0.750 second.
 0.839607343390231867431511850776
 Number of discriminants 729
 Estimation for 154 nodes takes 0.760 second. 1.23715791584158767345405159685
 Number of discriminants 1574
 Estimation for 335 nodes takes 0.870 second. 1.84257330176472178625758895872
 delta 1.20
 The time of estimation is 2.380
 n1 4714771964165379529227719416066168198967651309744802490798591547620054481511
 2328515386179060053608097769243107528216684913091267840803786162346084605940248

0825614887453358205461353560872326843556416399899537979518843776292484663204180
 9117489183823195068851583583801637608566978146003787580412596413807649113302046
 8907960148815962420368703577040021172784318133277251044179801684012785170187429
 7480325116583389291824650460114616978565225086297533401095470814923197476599564
 7493527548941691393588515318720708464828994778908444236263337461552721192806061
 3282260976622209499837519431294189428631911864982832269400381024780254234694126
 0894782584930166221262560172797066911329639171282216961671159138397068855150603
 7746255104535854149215737393945749257314206604262183310953340284286062740361304
 5431308653234484889950138512822168865360373920475549458916285299383835122544011
 210185444137118379809458210826302349467
 SLimit: 20621.4785364790985242629621082
 BLimit: 4339254.05183509255609095714673
 delta 0.90
 Number of discriminants 635
 Estimation for 138 nodes takes 0.730 second.
 0.751286911708067486583239796771
 Number of discriminants 726
 Estimation for 143 nodes takes 0.750 second. 1.08655867949685030335245392786
 Number of discriminants 1559
 Estimation for 292 nodes takes 0.880 second. 1.58037901843121287721856294098
 delta 1.20
 The time of estimation is 2.360
 Time of sorting a list with 29 element is 0.000 seconds.
 Level completed in 51.270
 n1: 47147719641653795292277194160661681989676513097448024907985915476200544815
 1123285153861790600536080977692431075282166849130912678408037861623460846059402
 4808256148874533582054613535608723268435564163998995379795188437762924846632041
 8091174891838231950688515835838016376085669781460037875804125964138076491133020
 4689079601488159624203687035770400211727843181332772510441798016840127851701874
 2974803251165833892918246504601146169785652250862975334010954708149231974765995
 6474935275489416913935885153187207084648289947789084442362633374615527211928060
 6132822609766222094998375194312941894286319118649828322694003810247802542346941
 2608947825849301662212625601727970669113296391712822169616711591383970688551506
 0377462551045358541492157373939457492573142066042621833109533402842860627403613
 0454313086532344848899501385128221688653603739204755494589162852993838351225440
 11210185444137118379809458210826302349467
 SLimit: 20621.4785364790985242629621082 1.30
 DLimit, delta: 9603.93134093079905586021340708 1.20
 exponent: 1.20
 BLimit: 4339254.05183509255609095714673 2
 Number of discriminants 2918
 Filtering discriminants and reduction takes 19.480 seconds for 2918 D-s,
 where 126 was succesful
 On average that is 0.007
 The time for 126 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.150 seconds for 126 D, that is 0.025 on
 average
 Time of Miller-Rabin test for 124 is 4.220 seconds, 0.034 on average
 This resulted 1 new nodes
 n1 1293000010466643245065305669034722143474724071626286683841295713839102562899
 6722920249765126104069211006757686805226848123178336181125232123882271414772299
 7981455285664902417097647355892039518502564020966409438045395072785156536864261
 8660768176187573070745627743829812018753651741919466358821592585145398675537024
 6153025148987671182111118247358620455230504684719607283104129431313774906246089
 8907554149999475998901006658138016526673624728922404016116651647733691726247657
 3243765563394543609327170639265338539988966613400323256317113797263996212129992
 5415768781039285229739889119050490516743114153843910912414674786941792211909561

3920413775270594484026999211406796658591349691119858535985024591851968540850651
 0020716884331880438519528767056592393665009674322395417263164364969506097878818
 2723834748333813609075656024155738363768509747508694468423241567344984931700148
 220831932420822845623636355632829
 SLimit: 20427.2447233791052080559734229
 BLimit: 4276534.57442548372129110056240
 delta 0.90
 Number of discriminants 631
 Estimation for 268 nodes takes 0.780 second. 1.91681165946686867657122258702
 delta 1.00
 The time of estimation is 0.780
 Time of sorting a list with 30 element is 0.010 seconds.
 Level completed in 28.590
 n1: 12930000104666432450653056690347221434747240716262866838412957138391025628
 9967229202497651261040692110067576868052268481231783361811252321238822714147722
 9979814552856649024170976473558920395185025640209664094380453950727851565368642
 6186607681761875730707456277438298120187536517419194663588215925851453986755370
 2461530251489876711821111182473586204552305046847196072831041294313137749062460
 8989075541499994759989010066581380165266736247289224040161166516477336917262476
 5732437655633945436093271706392653385399889666134003232563171137972639962121299
 9254157687810392852297398891190504905167431141538439109124146747869417922119095
 6139204137752705944840269992114067966585913496911198585359850245918519685408506
 5100207168843318804385195287670565923936650096743223954172631643649695060978788
 1827238347483338136090756560241557383637685097475086944684232415673449849317001
 48220831932420822845623636355632829
 SLimit: 20427.2447233791052080559734229 1.30
 DLimit, delta: 2067.97837861653759634013493411 1.00
 exponent: 1.00
 BLimit: 4276534.57442548372129110056240 2
 Number of discriminants 631
 Filtering discriminants and reduction takes 9.010 seconds for 631 D-s, where
 150 was successful
 On average that is 0.014
 The time for 150 trial divisions is 0.040 seconds, 0.000 on average
 Batch trial division takes: 3.170 seconds for 150 D, that is 0.021 on
 average
 Time of Miller-Rabin test for 143 is 5.830 seconds, 0.041 on average
 This resulted 3 new nodes
 n1 1999924102597317102712459559593394774272178549674675432801507756904482794883
 0407768048162759767895602240802316343981077846137651915154267963103568218419520
 1595062865927567756511836899326419254716246379397152408237118227229482328488663
 1930116954551443740628356881596191257881180723502724829008953914023740963547995
 5877661115520334591029009119063942190393120553041354444340394923468450101284770
 8623023265287773916363649024270627881617029925766474411189914289543481148886650
 1357910674599608389688842917645337983546134908156577358315390547648216501341907
 6966291072445661161614848730500714800831021171557698207266085874085590529024902
 2820302982102022154291501801782917978670357431836080913413688776723341170129027
 1502605318600526275497102796784139951849510334983074623843134790046102750888538
 8966735967300527356623240350537813410933318150997292218761159064504831317165894
 0011947954729926524783633
 SLimit: 20196.6027527921251570774636587
 BLimit: 4202474.75222086170430110464180
 delta 0.90
 Number of discriminants 625
 Estimation for 168 nodes takes 0.700 second.
 0.944600005480616815270455338570
 Number of discriminants 709

Estimation for 175 nodes takes 0.720 second. 1.41861743558550983837656990162
 delta 1.10
 The time of estimation is 1.420
 n1 4397657029346149358401958526086972586756271581094841046291335567462507620746
 7240033685957132761599315039863853268589582604576763314138105393975186568674492
 5962289768075048091321750133360040704223995023282425341268382417973929786291627
 0322318498128754945467157990859019467795616722032747168045863366768333419164842
 8600674808093286296029994611171530864120423671829003115099501330874250023582475
 9348946280153144881316756208954363749157329829590550331014413482769771046729441
 6568885677884223541543547066288394937396334774756745843732095159948214466974430
 8824306323613000042003901361171894506463672931929799661896034290934144161962963
 4479322237492413360684798046352784475478971492710150562033621383003391253803957
 1716959135801367874589072381354748044432563566943181456642048923047061735894866
 1857128251635143975806598181070003433834988696530243761096752698526271623113473
 8753944600283376527
 SLimit: 20029.9098928709518507378518980
 BLimit: 4149231.68335043326730838466329
 delta 0.90
 Number of discriminants 622
 Estimation for 128 nodes takes 0.670 second.
 0.591655168232336901530531341158
 Number of discriminants 704
 Estimation for 113 nodes takes 0.670 second.
 0.846745865706007518055658516006
 Number of discriminants 1520
 Estimation for 249 nodes takes 0.760 second. 1.25177319231235180230666856183
 Number of discriminants 3245
 Estimation for 513 nodes takes 0.930 second. 1.81693602204189288130042541925
 delta 1.30
 The time of estimation is 3.030
 n1 6557647101302353048836267535883705015781239294916716689704037587396295275730
 9872082776895112506376862913668013721160130488362885903319155054370597220292010
 5947021088441581968677680181294414237842284837203729650406132241922267902087635
 2197467688799154475308439573558155838792455057751462477760226806582288329996114
 0313818318606321442787452294624907355581021503934183305749727644162989403250419
 8771613086575294743893038508879513967166576994208138012039493091243932849998973
 3568750407980951905839713459311206515512349477695200395423752874601462990667932
 6986480522804381347225904096895746393875735747979080665180157043702087911744890
 4905767998824684385949653981900919583701905161327766197597448270862362454727039
 4655802654222565124520798745905117136026938257776499648314138213435251521392994
 8231624770945367689973969794186571692384399294319311925823399852832708482050568
 865178902987966251
 SLimit: 20005.5866122052386512811323246
 BLimit: 4141482.50874658860613785598990
 delta 0.90
 Number of discriminants 621
 Estimation for 98 nodes takes 0.660 second. 0.563907805255011453617261068927
 Number of discriminants 703
 Estimation for 116 nodes takes 0.680 second.
 0.827740483175868394327245995501
 Number of discriminants 1518
 Estimation for 235 nodes takes 0.760 second. 1.15415480293961380629530393795
 Number of discriminants 3241
 Estimation for 485 nodes takes 0.940 second. 1.69061336251168227141710589915
 delta 1.30
 The time of estimation is 3.040
 Time of sorting a list with 33 element is 0.000 seconds.

Level completed in 26.450
n1: 19999241025973171027124595595933947742721785496746754328015077569044827948
8304077680481627597678956022408023163439810778461376519151542679631035682184195
2015950628659275677565118368993264192547162463793971524082371182272294823284886
6319301169545514437406283568815961912578811807235027248290089539140237409635479
9558776611155203345910290091190639421903931205530413544443403949234684501012847
7086230232652877739163636490242706278816170299257664744111899142895434811488686
5013579106745996083896888429176453379835461349081565773583153905476482165013419
0769662910724456611616148487305007148008310211715576982072660858740855905290249
0228203029821020221542915018017829179786703574318360809134136887767233411701290
2715026053186005262754971027967841399518495103349830746238431347900461027508885
3889667359673005273566232403505378134109333181509972922187611590645048313171658
940011947954729926524783633
SLimit: 20196.6027527921251570774636587 1.30
DLimit, delta: 4394.68561459708383593305604045 1.10
exponent: 1.10
BLimit: 4202474.75222086170430110464180 2
Number of discriminants 1333
Filtering discriminants and reduction takes 7.920 seconds for 1333 D-s,
where 102 was succesful
On average that is 0.006
The time for 102 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 3.020 seconds for 102 D, that is 0.030 on
average
Time of Miller-Rabin test for 98 is 3.310 seconds, 0.034 on average
This resulted 1 new nodes
n1 9134576151444766158365120853171621331287926142663174535496061737939539576518
8671636284656799889904093545274122334799844003551895108953448264837709958982004
9306033004145280700245897959835659334595078009487313456824327337304660310992341
248797366653623705411691276877707398744773561262102991728116899715634253896024
4257153172194823198268973778496127662341831337541584198138279544479994981660595
8815306774859659798865666503474138492815519894795260901050439513781939890726869
7629270800601017963327260861755882468160754646273320249944006871115668603371861
5179845849220206843563071476260966889191556552096316191945063602804660464928685
0588846405975023365466018107753500932161962838786877888218338158332846711355890
0407455131856885812386226417064615602747105818254348964588303198665115921472256
9533997987063580502513046663220719460151732309818316776527900556603860318550560
62534023463611828769
SLimit: 20068.6973158929174513505369793
BLimit: 4161599.48628792858770820673598
delta 0.90
Number of discriminants 623
Estimation for 246 nodes takes 0.760 second. 1.79663611932660045292538749900
delta 1.00
The time of estimation is 0.760
Time of sorting a list with 34 element is 0.000 seconds.
Level completed in 15.920
n1: 91345761514447661583651208531716213312879261426631745354960617379395395765
1886716362846567998899040935452741223347998440035518951089534482648377099589820
0493060330041452807002458979598356593345950780094873134568243273373046603109923
412487973666536237054116912768777073987447735612621029917281168997156342538960
2442571531721948231982689737784961276623418313375415841981382795444799949816605
9588153067748596597988656665034741384928155198947952609010504395137819398907268
6976292708006010179633272608617558824681607546462733202499440068711156686033718
6151798458492202068435630714762609668891915565520963161919450636028046604649286
8505888464059750233654660181077535009321619628387868778882183381583328467113558
9004074551318568858123862264170646156027471058182543489645883031986651159214722

5695339979870635805025130466632207194601517323098183167765279005566038603185505
 6062534023463611828769
 SLimit: 20068.6973158929174513505369793 1.30
 DLimit, delta: 2039.99987409017468980982771896 1.00
 exponent: 1.00
 BLimit: 4161599.48628792858770820673598 2
 Number of discriminants 623
 Filtering discriminants and reduction takes 5.070 seconds for 623 D-s, where
 142 was succesful
 On average that is 0.008
 The time for 142 trial divisions is 0.040 seconds, 0.000 on average
 Batch trial division takes: 3.080 seconds for 142 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 138 is 4.360 seconds, 0.032 on average
 This resulted 1 new nodes
 n1 1611036358279500204297199445003813285941433182127544009787665209513146309791
 6873304459375096982346400978002490711604910759003861571243994402969613749379542
 3158030512194934867768235971752320870298955557228803078804996003051968308816991
 4019042974697749039526792375445803774029060592815185712826828377374891402803531
 6447469695272455590523628532362632744681099001330085396497051066045854494120034
 5470071741597823597683539065868454760637657829769887427039729905471253951203746
 4971671680510577750600742207123204917077635394384052686195916031768007831529025
 4483187815187001773679238549870585696333379427205591236384461472754617309177514
 5824668722225179074641006347995991713765568531533125417876960696604180385091719
 8232330871431027167613858715226902781179817355041090594815784215967146891205784
 5590133482529554229133337039657261536959374243464612071938684915321437697263410
 030286684737105457
 SLimit: 19987.6490736170560560354801483
 BLimit: 4135771.02208144679099723984259
 delta 0.90
 Number of discriminants 620
 Estimation for 222 nodes takes 0.720 second. 1.48481833896827253751312379198
 delta 1.00
 The time of estimation is 0.720
 Time of sorting a list with 35 element is 0.000 seconds.
 Level completed in 14.150
 n1: 16110363582795002042971994450038132859414331821275440097876652095131463097
 9168733044593750969823464009780024907116049107590038615712439944029696137493795
 4231580305121949348677682359717523208702989555572288030788049960030519683088169
 9140190429746977490395267923754458037740290605928151857128268283773748914028035
 3164474696952724555905236285323626327446810990013300853964970510660458544941200
 3454700717415978235976835390658684547606376578297698874270397299054712539512037
 4649716716805105777506007422071232049170776353943840526861959160317680078315290
 2544831878151870017736792385498705856963333794272055912363844614727546173091775
 1458246687222251790746410063479959917137655685315331254178769606966041803850917
 1982323308714310271676138587152269027811798173550410905948157842159671468912057
 8455901334825295542291333370396572615369593742434646120719386849153214376972634
 10030286684737105457
 SLimit: 19987.6490736170560560354801483 1.30
 DLimit, delta: 2033.65951478644693773914138527 1.00
 exponent: 1.00
 BLimit: 4135771.02208144679099723984259 2
 Number of discriminants 620
 Filtering discriminants and reduction takes 4.530 seconds for 620 D-s, where
 106 was succesful
 On average that is 0.007
 The time for 106 trial divisions is 0.030 seconds, 0.000 on average

Batch trial division takes: 3.060 seconds for 106 D, that is 0.029 on average
 Time of Miller-Rabin test for 105 is 3.440 seconds, 0.033 on average
 This resulted 1 new nodes
 n1 2781293346936503356634899946488179832092799499564159950603662056337867394847
 8822775463322797082981839959261257357235188797396349649962009534855351407671331
 9449676321032620101802769097010428959151570259700302256068289488039445322866154
 6196814748114337821156674910996829939280886321412861185047352353730563156556059
 0510789474608893706449189511018977875632033356346394234681739980052921922035830
 6522463472132144875498133875195868311300424400541817974193531375361897087843803
 8495017614619769253550229470814520188455687209410942455883218591660718256758900
 6402243970478457795738145996257110420265463378506711858416692420030848600311732
 5106719791540936673810103633932985558304653166773590439533707587839797725269091
 6825409360299081414140817596104855343352459568794164203221900576768160192383912
 8795747834817701694585510139366280436709686977680012637993009995346920536396324
 0108807085877
 SLimit: 19847.6393141255913419999969845
 BLimit: 4091285.4661559699006262481326
 delta 0.90
 Number of discriminants 617
 Estimation for 174 nodes takes 0.710 second. 1.04887478164488918168012965869
 Number of discriminants 699
 Estimation for 188 nodes takes 0.730 second. 1.64854495744021500115592962877
 delta 1.10
 The time of estimation is 1.440
 Time of sorting a list with 36 element is 0.000 seconds.
 Level completed in 13.400
 n1: 27812933469365033566348999464881798320927994995641599506036620563378673948
 4788227754633227970829818399592612573572351887973963496499620095348553514076713
 3194496763210326201018027690970104289591515702597003022560682894880394453228661
 5461968147481143378211566749109968299392808863214128611850473523537305631565560
 5905107894746088937064491895110189778756320333563463942346817399800529219220358
 3065224634721321448754981338751958683113004244005418179741935313753618970878438
 0384950176146197692535502294708145201884556872094109424558832185916607182567589
 0064022439704784577957381459962571104202654633785067118584166924200308486003117
 3251067197915409366738101036339329855583046531667735904395337075878397977252690
 9168254093602990814141408175961048553433524595687941642032219005767681601923839
 1287957478348177016945855101393662804367096869776800126379930099953469205363963
 240108807085877
 SLimit: 19847.6393141255913419999969845 1.30
 DLimit, delta: 4330.34881482520720116135661529 1.10
 exponent: 1.10
 BLimit: 4091285.4661559699006262481326 2
 Number of discriminants 1315
 Filtering discriminants and reduction takes 13.950 seconds for 1315 D-s,
 where 112 was succesful
 On average that is 0.011
 The time for 112 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 3.050 seconds for 112 D, that is 0.027 on average
 Time of Miller-Rabin test for 106 is 4.550 seconds, 0.043 on average
 This resulted 3 new nodes
 n1 6072786508317144270029358851008008621470888829780127070525720453983127763602
 3871406103602376671967563428513237250415233032623493388264914159714670290924859
 9879457358082026552205737269684613389786249237161389990134541130785652116965284
 7043482260041689335116552038983024365574033349537792405811653676867951625097231
 9596868621182007099168798346583634838633174905155512298250143288350518944758909

7164824139280716588116257589463864467649707439892265443239629418718396135241756
 0307603617465979370941112762123489376677146125113725831640448188371035544867979
 2133376507367474933860621573756186752499476236398571624720974123198301913912702
 4373853140707395525186779180301530146921942456704273814359308172125952878469604
 6912402618425224052398461750042925578709815881870511282366197780422312541282807
 9301561659754012087519847399399080235431746794934698308091689007827577951017353
 66237
 SLimit: 19622.9171993727464726226024764
 BLimit: 4020236.92514514926239273467740
 delta 0.90
 Number of discriminants 612
 Estimation for 172 nodes takes 0.690 second. 1.02123238134087042085752449981
 Number of discriminants 690
 Estimation for 172 nodes takes 0.710 second. 1.51873557175477713363913169817
 delta 1.10
 The time of estimation is 1.400
 n1 1580280310759376907178920424141011268234545170206909062842989804737424656163
 5694758785978861978966954522307532589338175453066107755660232690258722390722347
 6960043364223079603297027896028652817699755829375171736402437209113321206173951
 4884553834155873762020838017611835192773230864439125673322359291892365429861397
 1881130383300507787755221313078964702063655316105905815160079534120978364793085
 5978672427347809588351212429088561540511604773044437804275108808324507034102149
 4838758500424794223184009229275878946558603045383109178185448343499475141308025
 1792806774058927275283982358193877383355740833135369370547568378290907843680062
 1364336368634643590563151072280515636296810747102921146517424840637746609981481
 9999758864276392879698170214307945809602687168301444859565766640379932232653898
 2865159285125407231960919848862400222366002566929020431692087342110799223976103
 20646006119
 SLimit: 19781.7087392605014573217750973
 BLimit: 4070395.60034389349488781639647
 delta 0.90
 Number of discriminants 615
 Estimation for 180 nodes takes 0.730 second. 1.32684866903952751091399591720
 Number of discriminants 696
 Estimation for 195 nodes takes 0.750 second. 1.94498976871382535946498641784
 delta 1.10
 The time of estimation is 1.480
 n1 5225637582550171645563843278386028543688560610935217102441872193630443775078
 6905861008798281006654591836880462492926478275583100950627554364300600119628986
 8197948897175372203898183332726643918442000337630208657876690004583355859886807
 8680322313456970203586116997964884148656407487999513725100241157617922659995601
 7042667733745854701730778428939910332992697573174496908691079174907789572440685
 8790138794777064624038279488944589492147197505964613679397689444024987298972306
 4833985920833546388991750198543453386284799694462478046792920073708942443372582
 0138682842974485819599997988900347490473999452471153202612196168361732425497187
 1702482144220816847793283803821323031125002958213679307493925021755004306192073
 5095515693623370166243776729008917612115204997710963546207908922690049708544007
 4598610161850533580887828909474068723525314233967022223378970896144284857293124
 74346259
 SLimit: 19708.9348173459209843514149727
 BLimit: 4047380.93667248865518123497516
 delta 0.90
 Number of discriminants 614
 Estimation for 216 nodes takes 0.740 second. 1.50458573808742288595073293582
 delta 1.00
 The time of estimation is 0.740
 Time of sorting a list with 39 element is 0.000 seconds.

Level completed in 26.050
n1: 52256375825501716455638432783860285436885606109352171024418721936304437750
7869058610087982810066545918368804624929264782755831009506275543643006001196289
8681979488971753722038981833327266439184420003376302086578766900045833558598868
0786803223134569702035861169979648841486564074879995137251002411576179226599956
0170426677337458547017307784289399103329926975731744969086910791749077895724406
8587901387947770646240382794889445894921471975059646136793976894440249872989723
0648339859208335463889917501985434533862847996944624780467929200737089424433725
8201386828429744858195999979889003474904739994524711532026121961683617324254971
8717024821442208168477932838038213230311250029582136793074939250217550043061920
7350955156936233701662437767290089176121152049977109635462079089226900497085440
074598610161850533580887828909474068723525314233967022233789708961442848572931
2474346259
SLimit: 19708.9348173459209843514149727 1.30
DLimit, delta: 2011.81036299957672108413202263 1.00
exponent: 1.00
BLimit: 4047380.93667248865518123497516 2
Number of discriminants 614
Filtering discriminants and reduction takes 5.950 seconds for 614 D-s, where
114 was succesful
On average that is 0.010
The time for 114 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 3.020 seconds for 114 D, that is 0.026 on
average
Time of Miller-Rabin test for 110 is 2.940 seconds, 0.027 on average
This resulted 0 new nodes
Time of sorting a list with 39 element is 0.000 seconds.
Level completed in 12.770
n1: 60727865083171442700293588510080086214708888297801270705257204539831277636
0238714061036023766719675634285132372504152330326234933882649141597146702909248
5998794573580820265522057372696846133897862492371613899901345411307856521169652
8470434822600416893351165520389830243655740333495377924058116536768679516250972
3195968686211820070991687983465836348386331749051555122982501432883505189447589
0971648241392807165881162575894638644676497074398922654432396294187183961352417
5603076036174659793709411127621234893766771461251137258316404481883710355448679
7921333765073674749338606215737561867524994762363985716247209741231983019139127
0243738531407073955251867791803015301469219424567042738143593081721259528784696
0469124026184252240523984617500429255787098158818705112823661977804223125412828
0793015616597540120875198473993990802354317467949346983080916890078275779510173
5366237
SLimit: 19622.9171993727464726226024764 1.30
DLimit, delta: 4288.82579716949218004857048230 1.10
exponent: 1.10
BLimit: 4020236.92514514926239273467740 2
Number of discriminants 1301
Filtering discriminants and reduction takes 12.980 seconds for 1301 D-s,
where 98 was succesful
On average that is 0.010
The time for 98 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 2.970 seconds for 98 D, that is 0.030 on
average
Time of Miller-Rabin test for 92 is 2.990 seconds, 0.033 on average
This resulted 1 new nodes
n1 9580053775628521688832698664941904974563595824855579627867720968140236478685
7009407024782144587651287395173737851637615823062496372868413043268202491130069
5977525375622972353964491614097219572496958091370060514584407185980183147418255
4387185119461758632079482755112445934721514546540998496308802627655117968473261

4496739419342840261885250405164915607428273124197249559078249513487983014263959
 5842277932731738949132681372685340200331136779816115031736398460544361994235153
 8832060030320557272101803176367446849319166765925452062739763834281910086251773
 9520134294439514415134318361129382430944110550118933293058633157019614714653457
 9329026649324358528544533591158558939311077850910375383228247695380799358377344
 0018493784979815440089410809288724776603435769613196504055780955563612995922143
 734792041434670070173542120611774965119037214978226789136031940654352260170673
 SLimit: 19453.1158780704582129155713864
 BLimit: 3966841.81707580561124332788262
 delta 0.90
 Number of discriminants 607
 Estimation for 170 nodes takes 0.690 second.
 0.904511039475412676268565361417
 Number of discriminants 685
 Estimation for 163 nodes takes 0.690 second. 1.38526419343848067891766384635
 Number of discriminants 1477
 Estimation for 354 nodes takes 0.800 second. 2.09726956950217256082647154429
 delta 1.20
 The time of estimation is 2.180
 Time of sorting a list with 40 element is 0.000 seconds.
 Level completed in 21.990
 n1: 95800537756285216888326986649419049745635958248555796278677209681402364786
 8570094070247821445876512873951737378516376158230624963728684130432682024911300
 6959775253756229723539644916140972195724969580913700605145844071859801831474182
 5543871851194617586320794827551124459347215145465409984963088026276551179684732
 6144967394193428402618852504051649156074282731241972495590782495134879830142639
 5958422779327317389491326813726853402003311367798161150317363984605443619942351
 5388320600303205572721018031763674468493191667659254520627397638342819100862517
 7395201342944395144151343183611293824309441105501189332930586331570196147146534
 5793290266493243585285445335911585589393110778509103753832282476953807993583773
 4400184937849798154400894108092887247766034357696131965040557809555636129959221
 4373479204143467007017354212061177496511903721497822678913603194065435226017067
 3
 SLimit: 19453.1158780704582129155713864 1.30
 DLimit, delta: 9100.53511300036233744449577897 1.20
 exponent: 1.20
 BLimit: 3966841.81707580561124332788262 2
 Number of discriminants 2767
 Filtering discriminants and reduction takes 14.260 seconds for 2767 D-s,
 where 140 was succesful
 On average that is 0.005
 The time for 140 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.070 seconds for 140 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 136 is 4.600 seconds, 0.034 on average
 This resulted 2 new nodes
 n1 7515182289708275823553216813315373069882641300994367275304936590527029777123
 3023790379979089858209613884318411192410819152673833798415712011098718575363260
 2197688486948894187113253956899510160733752307391242676726918938451303106010743
 5428774921916092936772006303235468586025224000236121698444258235005113094600757
 3579920470788885956482200888924123448671336662742202107909135455684193898666383
 9344094521895681500151151097214644482357992747789837893798013251502561547348856
 1786885331380625783850326270185129297361403132059095713695174661668905261011711
 0883738734089724277432985086678952639863456625840602757014608826020491411251748
 1203267424147527184590160275362806013775029011286768533752168966547076302170223
 7036795539480715079014113827907264112832494941723802694352947070043950758031021
 4054868089475252410728157962191029198966724244976715145024871820080657059

SLimit: 19303.9832195593972114765807532
 BLimit: 3920152.58374357459263745924935
 delta 0.90
 Number of discriminants 603
 Estimation for 144 nodes takes 0.640 second.
 0.839656812684777107787541858940
 Number of discriminants 683
 Estimation for 140 nodes takes 0.650 second. 1.17674908516751668413449770070
 Number of discriminants 1462
 Estimation for 289 nodes takes 0.760 second. 1.71134252118408499053862795076
 delta 1.20
 The time of estimation is 2.050
 n1 1410823187975453830235729657301764988007127094847958828326419793847230866912
 9507747264488416674665894114510741318867462273660240394213656491998733872986874
 057161954754108334618939850584607969670372262184408289858933763251087291973706
 3263899787856644473385880471711894135061486001787965141421536673488324394508903
 9599543387627067663449170947980224376683004406838661869562654558418941890649145
 7917394841648759859379812878870956085110076325039739551610781460433950054757867
 7579421743923296069040820334979328859575687343560044433254153157156289984860141
 8950262070266957003323716096146208914055232567436004359139745605106792355536160
 1055711635249568406283580649468120149159330272994721116434811463666840336713798
 9336925431554854224358486802556455167150416914956643892531990848395362019135637
 44881180415628941844876567744539580990180923113952597431675637482122742213
 SLimit: 19311.9665672997347547110403591
 BLimit: 3922647.04107727930025661962358
 delta 0.90
 Number of discriminants 603
 Estimation for 139 nodes takes 0.640 second.
 0.747256177003581115289260939859
 Number of discriminants 684
 Estimation for 138 nodes takes 0.650 second. 1.08715126211047402518919471012
 Number of discriminants 1462
 Estimation for 302 nodes takes 0.730 second. 1.67770791219917890860202468758
 delta 1.20
 The time of estimation is 2.020
 Time of sorting a list with 42 element is 0.010 seconds.
 Level completed in 26.890
 n1: 75151822897082758235532168133153730698826413009943672753049365905270297771
 2330237903799790898582096138843184111924108191526738337984157120110987185753632
 6021976884869488941871132539568995101607337523073912426767269189384513031060107
 4354287749219160929367720063032354685860252240002361216984442582350051130946007
 5735799204707888859564822008889241234486713366627422021079091354556841938986663
 8393440945218956815001511510972146444823579927477898378937980132515025615473488
 5617868853313806257838503262701851292973614031320590957136951746616689052610117
 1108837387340897242774329850866789526398634566258406027570146088260204914112517
 4812032674241475271845901602753628060137750290112867685337521689665470763021702
 2370367955394807150790141138279072641128324949417238026943529470700439507580310
 214054868089475252410728157962191029198966724244976715145024871820080657059
 SLimit: 19303.9832195593972114765807532 1.30
 DLimit, delta: 9036.11569472266161778373706957 1.20
 exponent: 1.20
 BLimit: 3920152.58374357459263745924935 2
 Number of discriminants 2746
 Filtering discriminants and reduction takes 15.580 seconds for 2746 D-s,
 where 128 was succesful
 On average that is 0.006
 The time for 128 trial divisions is 0.030 seconds, 0.000 on average

Batch trial division takes: 3.070 seconds for 128 D, that is 0.024 on average
 Time of Miller-Rabin test for 118 is 4.090 seconds, 0.035 on average
 This resulted 2 new nodes
 n1 1296391631828234573667969089755972584074976936517917418544926098072628907559
 6519542932547712585511404844629706950562501147606319440816924618095345622798561
 3627339742444177020374892868190358834006167380954156059466434179480990703124157
 9339102108317421586470934328658869861311924098712458461004702127825618957150380
 7759172066722250466876349989464226918866885744823564275989155676329859220056302
 2139743750542639554968285509265938327104410789979876945428457372101513871082589
 290201119865815239737439028546560077861547172468157386440769123914514985837023
 4928201783839956553459091776024345543308277133186580836251804875580846216967185
 6501423665357526634571091423755018596100528356193622036344122219823241156101731
 7757888401681173089150455416763232797889771872294309137260707148808813981406007
 4829517277975317841372097280055839725392573424578813453665362799949953
 SLimit: 19194.2276211377708613169393940
 BLimit: 3885914.97096423592635802323955
 delta 0.90
 Number of discriminants 600
 Estimation for 144 nodes takes 0.640 second.
 0.807208548301976292780521250797
 Number of discriminants 679
 Estimation for 145 nodes takes 0.640 second. 1.16749278552923174394959139967
 Number of discriminants 1455
 Estimation for 322 nodes takes 0.730 second. 1.72419698802676609146367283311
 delta 1.20
 The time of estimation is 2.010
 n1 9393977862135344779441521016644216337353301626242959094131170738158787221404
 1279737974973862322762017355398013990513523940842292248019640013873398219204075
 2747110608686117733891567446124387700917190384239053345908648673064128882513429
 4285968652395116170965007879044335732531530000295152123055322793756391368250946
 6974900588486107445602751111155154310839170828427752634886419319605242373332979
 9180118152369601875188938871518305602732192611010303521409651323783585307035869
 5011093153487049441702908216079395728681611541568873136618164576400680845420369
 9151102974278892194212159890826784529467665209116974447967037318558195025838517
 8637317717228594276140231374515021610796729602791658283022889219319980764330987
 0603915784479728910815085750594850389733324354780841444718866695608348374825186
 695550637671283951656784267120616774224430231466856273299723898216249279
 SLimit: 19277.6310076891977936030797841
 BLimit: 3911922.57916199077519844266693
 delta 0.90
 Number of discriminants 602
 Estimation for 169 nodes takes 0.670 second. 1.10817696543574900426561769864
 Number of discriminants 682
 Estimation for 170 nodes takes 0.700 second. 1.64490169033606678805522633243
 delta 1.10
 The time of estimation is 1.370
 Time of sorting a list with 44 element is 0.000 seconds.
 Level completed in 27.000
 n1: 93939778621353447794415210166442163373533016262429590941311707381587872214
 0412797379749738623227620173553980139905135239408422922480196400138733982192040
 7527471106086861177338915674461243877009171903842390533459086486730641288825134
 2942859686523951161709650078790443357325315300002951521230553227937563913682509
 4669749005884861074456027511111551543108391708284277526348864193196052423733329
 7991801181523696018751889388715183056027321926110103035214096513237835853070358
 6950110931534870494417029082160793957286816115415688731366181645764006808454203
 6991511029742788921942121598908267845294676652091169744479670373185581950258385

1786373177172285942761402313745150216107967296027916582830228892193199807643309
 8706039157844797289108150857505948503897333243547808414447188666956083483748251
 8669550637671283951656784267120616774224430231466856273299723898216249279
 SLimit: 19277.6310076891977936030797841 1.30
 DLimit, delta: 4224.88252907721149870171598449 1.10
 exponent: 1.10
 BLimit: 3911922.57916199077519844266693 2
 Number of discriminants 1283
 Filtering discriminants and reduction takes 8.930 seconds for 1283 D-s,
 where 112 was succesful
 On average that is 0.007
 The time for 112 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 2.990 seconds for 112 D, that is 0.027 on
 average
 Time of Miller-Rabin test for 110 is 3.350 seconds, 0.030 on average
 This resulted 1 new nodes
 n1 6727716525796810722147317584665451323383275652428872595720986556107731965970
 3991046382947814112025279025000189062968484033518554080411685094193551732211382
 3396746144256016023584710734811315324617878826506329787732415203689817363274222
 3636562548714193961917488150227625478963503806672695979442475377069842204274800
 5081178669841301319622971339570120038414944266264477540722632738865468537311184
 4203735669278026996289462133421880243302676547452789830024825534093765366925771
 3526341326996574067915686016181177619560857295906105980332823200916705000483398
 2744257839548979004267526520006925493302574243003637804564247028264788634897521
 6120446678190102378631073294932006287903410414834930284644437702761312727413315
 4281686397855270398791150328517982429074039439331403326818600332612384213590822
 2277903189618966627093054780842887937539087364906170701511078827973
 SLimit: 19127.6588950043974508900320001
 BLimit: 3865200.51080932209086281646826
 delta 0.90
 Number of discriminants 599
 Estimation for 153 nodes takes 0.660 second.
 0.857693447955304857647579536047
 Number of discriminants 678
 Estimation for 162 nodes takes 0.670 second. 1.32449485474081354175688808702
 Number of discriminants 1449
 Estimation for 317 nodes takes 0.770 second. 1.96238247674170965198708590343
 delta 1.20
 The time of estimation is 2.100
 Time of sorting a list with 45 element is 0.000 seconds.
 Level completed in 18.210
 n1: 67277165257968107221473175846654513233832756524288725957209865561077319659
 7039910463829478141120252790250001890629684840335185540804116850941935517322113
 8233967461442560160235847107348113153246178788265063297877324152036898173632742
 2236365625487141939619174881502276254789635038066726959794424753770698422042748
 0050811786698413013196229713395701200384149442662644775407226327388654685373111
 8442037356692780269962894621334218802433026765474527898300248255340937653669257
 7135263413269965740679156860161811776195608572959061059803328232009167050004833
 9827442578395489790042675265200069254933025742430036378045642470282647886348975
 2161204466781901023786310732949320062879034104148349302846444377027613127274133
 1542816863978552703987911503285179824290740394393314033268186003326123842135908
 222277903189618966627093054780842887937539087364906170701511078827973
 SLimit: 19127.6588950043974508900320001 1.30
 DLimit, delta: 8959.90112147090164593873065787 1.20
 exponent: 1.20
 BLimit: 3865200.51080932209086281646826 2
 Number of discriminants 2724

Filtering discriminants and reduction takes 23.900 seconds for 2724 D-s,
 where 146 was succesful
 On average that is 0.009
 The time for 146 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 3.050 seconds for 146 D, that is 0.021 on
 average
 Time of Miller-Rabin test for 138 is 4.470 seconds, 0.032 on average
 This resulted 2 new nodes
 n1 2222128592217205285423212308318619144993815448681752079442788530885101058914
 7836915835297864351970299585480310828038209814215402985999367516908954859364309
 1358417936403757439418916215752185006149385264402936249085881623625914045208819
 6471318056782333849226280932166609023306745873521170557353175907342397345843176
 2809214780631953137674386094454392931171536618531007246902706017593297838985065
 5371824438260677433045799357055714229754492975715251406165336174460961964036678
 9074116854436240891460838315426350574330170236047589956634413870044669427757882
 0604899913147198589705853597733044723511992620459976938472761403521926377217347
 5003708952645746449529849455580835442582357200820317193869132881451806616509490
 8941090598020830335188584368451454538713323258907327191617729800260792021604155
 980455462898235230926113064051440769236481287925494880454125701
 SLimit: 18997.2591061937680330385320319
 BLimit: 3824735.92973828108076002004794
 delta 0.90
 Number of discriminants 596
 Estimation for 152 nodes takes 0.650 second.
 0.876011233072139772804052765063
 Number of discriminants 673
 Estimation for 150 nodes takes 0.650 second. 1.31057965071497334595433718845
 Number of discriminants 1439
 Estimation for 305 nodes takes 0.760 second. 1.92001398297776771306624748502
 delta 1.20
 The time of estimation is 2.060
 n1 4501518784644176066329083555245226591874290248422732490683826258588907733585
 4063971285543516308250331227565467468147877665180246989352847682238097426046337
 8929509001090610108644557317479653788546688061589543391976676441335315198808718
 9366840238337232370698255555614809412870497899354478120246752394760741871728973
 0790618045587863602570216129305555272168019527508910744898787966350959500869875
 1619791194059141375067419493076666731720460017732206406824389212088968849896722
 5076757477782283992919498697578107983480060337486826092639706795595712340062079
 8459972952323918655812116153379168338018784942085587402566350867406237856526198
 9774942488828248931938937347915461662783159542089375228507558826423359439321202
 3024144649630403624788464277649153868985755631686981357288945956229430095785560
 55091068129821991591206081730555810510510668208874691079
 SLimit: 18802.8654605463452724320985765
 BLimit: 3764690.60401274536921821464864
 delta 0.90
 Number of discriminants 592
 Estimation for 176 nodes takes 0.620 second. 1.20560430388904240547181939878
 Number of discriminants 665
 Estimation for 168 nodes takes 0.630 second. 1.71630802315163181029041979468
 delta 1.10
 The time of estimation is 1.250
 Time of sorting a list with 47 element is 0.000 seconds.
 Level completed in 35.570
 n1: 45015187846441760663290835552452265918742902484227324906838262585889077335
 8540639712855435163082503312275654674681478776651802469893528476822380974260463
 3789295090010906101086445573174796537885466880615895433919766764413353151988087
 1893668402383372323706982555556148094128704978993544781202467523947607418717289

730790618045587863602570216129305552721680195275089107448987879663509595008698
 7516197911940591413750674194930766667317204600177322064068243892120889688498967
 2250767574777822839929194986975781079834800603374868260926397067955957123400620
 7984599729523239186558121161533791683380187849420855874025663508674062378565261
 9897749424888282489319389373479154616627831595420893752285075588264233594393212
 0230241446496304036247884642776491538689857556316869813572889459562294300957855
 6055091068129821991591206081730555810510510668208874691079
 SLimit: 18802.8654605463452724320985765 1.30
 DLimit, delta: 4136.67221763098451507904141753 1.10
 exponent: 1.10
 BLimit: 3764690.60401274536921821464864 2
 Number of discriminants 1256
 Filtering discriminants and reduction takes 8.110 seconds for 1256 D-s,
 where 108 was succesful
 On average that is 0.007
 The time for 108 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 2.910 seconds for 108 D, that is 0.027 on
 average
 Time of Miller-Rabin test for 104 is 3.010 seconds, 0.029 on average
 This resulted 1 new nodes
 n1 4354913748827787747806360838206798238083926290287144768786850464242517632113
 0168076704308207601263275952193556952696360626082819645613416845784878457874483
 0893749178495952388569098389933387065040777128904506008446646179294611204721826
 0620208563594005948138457058431785427344454525752285955210479358695399507980456
 7485507040630119870805844359162295201076329664317036035044945121206045255689666
 6313932405654127252097189130963950315486154956027238442085137995672845835193696
 9301326502624102988284290452451824124986606120299053678759211449901632015510054
 8667746686495089400738465443654486825823354799788199556347284996967047889386206
 1886448116411255764871155444311259186246983922256501940572200274743305598689717
 0105832690414537463422544228311845465920667099577749913736025057300177383719410
 498849320414917159555858879452781810050863489817
 SLimit: 18570.7163977134456836104689655
 BLimit: 3693420.06479456185814854654783
 delta 0.90
 Number of discriminants 585
 Estimation for 116 nodes takes 0.570 second.
 0.654530082095658605654105416005
 Number of discriminants 661
 Estimation for 141 nodes takes 0.590 second.
 0.997543069654359465865743560478
 Number of discriminants 1404
 Estimation for 272 nodes takes 0.650 second. 1.47772165600443568649220417789
 delta 1.20
 The time of estimation is 1.820
 Time of sorting a list with 48 element is 0.000 seconds.
 Level completed in 16.690
 n1: 43549137488277877478063608382067982380839262902871447687868504642425176321
 1301680767043082076012632759521935569526963606260828196456134168457848784578744
 8308937491784959523885690983899333870650407771289045060084466461792946112047218
 2606202085635940059481384570584317854273444545257522859552104793586953995079804
 5674855070406301198708058443591622952010763296643170360350449451212060452556896
 6663139324056541272520971891309639503154861549560272384420851379956728458351936
 9693013265026241029882842904524518241249866061202990536787592114499016320155100
 5486677466864950894007384654436544868258233547997881995563472849969670478893862
 0618864481164112557648711554443112591862469839222565019405722002747433055986897
 1701058326904145374634225442283118454659206670995777499137360250573001773837194
 10498849320414917159555858879452781810050863489817

SLimit: 18570.7163977134456836104689655 1.30
 DLimit, delta: 8718.81017831529680965589287433 1.20
 exponent: 1.20
 BLimit: 3693420.06479456185814854654783 2
 Number of discriminants 2648
 Filtering discriminants and reduction takes 11.280 seconds for 2648 D-s,
 where 132 was succesful
 On average that is 0.004
 The time for 132 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 2.930 seconds for 132 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 130 is 3.110 seconds, 0.024 on average
 This resulted 0 new nodes
 Time of sorting a list with 48 element is 0.000 seconds.
 Level completed in 18.120
 n1: 43549137488277877478063608382067982380839262902871447687868504642425176321
 1301680767043082076012632759521935569526963606260828196456134168457848784578744
 8308937491784959523885690983899333870650407771289045060084466461792946112047218
 2606202085635940059481384570584317854273444545257522859552104793586953995079804
 5674855070406301198708058443591622952010763296643170360350449451212060452556896
 6663139324056541272520971891309639503154861549560272384420851379956728458351936
 9693013265026241029882842904524518241249866061202990536787592114499016320155100
 5486677466864950894007384654436544868258233547997881995563472849969670478893862
 0618864481164112557648711554443112591862469839222565019405722002747433055986897
 1701058326904145374634225442283118454659206670995777499137360250573001773837194
 10498849320414917159555858879452781810050863489817
 SLimit: 18570.7163977134456836104689655 1.30
 DLimit, delta: 18570.7163977134456836104689657 1.30
 exponent: 1.30
 BLimit: 3693420.06479456185814854654783 2
 Number of discriminants 2998
 Filtering discriminants and reduction takes 14.170 seconds for 2998 D-s,
 where 50 was succesful
 On average that is 0.005
 The time for 50 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 2.770 seconds for 50 D, that is 0.055 on
 average
 Time of Miller-Rabin test for 50 is 1.190 seconds, 0.024 on average
 This resulted 0 new nodes
 Time of sorting a list with 48 element is 0.000 seconds.
 Level completed in 18.930
 n1: 43549137488277877478063608382067982380839262902871447687868504642425176321
 1301680767043082076012632759521935569526963606260828196456134168457848784578744
 8308937491784959523885690983899333870650407771289045060084466461792946112047218
 2606202085635940059481384570584317854273444545257522859552104793586953995079804
 5674855070406301198708058443591622952010763296643170360350449451212060452556896
 6663139324056541272520971891309639503154861549560272384420851379956728458351936
 9693013265026241029882842904524518241249866061202990536787592114499016320155100
 5486677466864950894007384654436544868258233547997881995563472849969670478893862
 0618864481164112557648711554443112591862469839222565019405722002747433055986897
 1701058326904145374634225442283118454659206670995777499137360250573001773837194
 10498849320414917159555858879452781810050863489817
 SLimit: 18570.7163977134456836104689655 1.30
 DLimit, delta: 39554.8819702531122622131274779 1.40
 exponent: 1.40
 BLimit: 3693420.06479456185814854654783 2
 Number of discriminants 6379

Filtering discriminants and reduction takes 13.720 seconds for 6379 D-s,
 where 56 was succesful
 On average that is 0.002
 The time for 56 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 2.750 seconds for 56 D, that is 0.049 on
 average
 Time of Miller-Rabin test for 55 is 1.320 seconds, 0.024 on average
 This resulted 0 new nodes
 Time of sorting a list with 48 element is 0.000 seconds.
 Level completed in 18.600
 n1: 43549137488277877478063608382067982380839262902871447687868504642425176321
 1301680767043082076012632759521935569526963606260828196456134168457848784578744
 8308937491784959523885690983899333870650407771289045060084466461792946112047218
 2606202085635940059481384570584317854273444545257522859552104793586953995079804
 5674855070406301198708058443591622952010763296643170360350449451212060452556896
 6663139324056541272520971891309639503154861549560272384420851379956728458351936
 9693013265026241029882842904524518241249866061202990536787592114499016320155100
 5486677466864950894007384654436544868258233547997881995563472849969670478893862
 0618864481164112557648711554443112591862469839222565019405722002747433055986897
 1701058326904145374634225442283118454659206670995777499137360250573001773837194
 10498849320414917159555858879452781810050863489817
 SLimit: 18570.7163977134456836104689655 1.30
 DLimit, delta: 84250.3139982955989432933288951 1.50
 exponent: 1.50
 BLimit: 3693420.06479456185814854654783 2
 Number of discriminants 13589
 Filtering discriminants and reduction takes 24.830 seconds for 13589 D-s,
 where 50 was succesful
 On average that is 0.002
 The time for 50 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 2.800 seconds for 50 D, that is 0.056 on
 average
 Time of Miller-Rabin test for 46 is 1.100 seconds, 0.024 on average
 This resulted 0 new nodes
 Time of sorting a list with 48 element is 0.000 seconds.
 Level completed in 29.530
 n1: 43549137488277877478063608382067982380839262902871447687868504642425176321
 1301680767043082076012632759521935569526963606260828196456134168457848784578744
 8308937491784959523885690983899333870650407771289045060084466461792946112047218
 2606202085635940059481384570584317854273444545257522859552104793586953995079804
 5674855070406301198708058443591622952010763296643170360350449451212060452556896
 6663139324056541272520971891309639503154861549560272384420851379956728458351936
 9693013265026241029882842904524518241249866061202990536787592114499016320155100
 5486677466864950894007384654436544868258233547997881995563472849969670478893862
 0618864481164112557648711554443112591862469839222565019405722002747433055986897
 1701058326904145374634225442283118454659206670995777499137360250573001773837194
 10498849320414917159555858879452781810050863489817
 SLimit: 18570.7163977134456836104689655 1.30
 DLimit, delta: 179449.793685378108798603558028 1.60
 exponent: 1.60
 BLimit: 3693420.06479456185814854654783 2
 Number of discriminants 28941
 Filtering discriminants and reduction takes 31.670 seconds for 28941 D-s,
 where 82 was succesful
 On average that is 0.001
 The time for 82 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 2.840 seconds for 82 D, that is 0.035 on

average
Time of Miller-Rabin test for 76 is 2.300 seconds, 0.030 on average
This resulted 1 new nodes
n1 2136875144759861728330062241911534971810546460504769182012872539316410228189
6805375190904040351112556570485354793649562699748786909841395169993173321455801
6050104939318977962180423087529337609888462115832691860042782076549003127021361
9063109472153633764843491709605372052661027072097510494179144358061406847360260
1167259787367190827640003593959697606782983022084169504907497606997408627602800
8923917099278808859645130029130727071317218769659564329197566324802837550775877
9124509878325288996324700284147524267119515294106638917881322655590751181784316
2592082121600589923223121723861037369601731669422821296261767377813990113474592
7937821871697698315874698647252402346300220614257714492137833457055690589091324
6527641299825225817282741302855284113093433331823288366814069954062731562532719
00748910032600226783544263718249649411
SLimit: 18273.0768701128870625779891686
BLimit: 3602743.60262834246281882622651
delta 0.90
Number of discriminants 580
Estimation for 128 nodes takes 0.590 second.
0.773879177711747321346454367830
Number of discriminants 650
Estimation for 128 nodes takes 0.600 second. 1.12959110074090838310779805293
Number of discriminants 1383
Estimation for 254 nodes takes 0.680 second. 1.60535481177768141479838689137
delta 1.20
The time of estimation is 1.870
Time of sorting a list with 49 element is 0.000 seconds.
Level completed in 39.460
n1: 21368751447598617283300622419115349718105464605047691820128725393164102281
8968053751909040403511125565704853547936495626997487869098413951699931733214558
0160501049393189779621804230875293376098884621158326918600427820765490031270213
6190631094721536337648434917096053720526610270720975104941791443580614068473602
6011672597873671908276400035939596976067829830220841695049074976069974086276028
0089239170992788088596451300291307270713172187696595643291975663248028375507758
7791245098783252889963247002841475242671195152941066389178813226555907511817843
1625920821216005899232231217238610373696017316694228212962617673778139901134745
9279378218716976983158746986472524023463002206142577144921378334570556905890913
2465276412998252258172827413028552841130934333318232883668140699540627315625327
1900748910032600226783544263718249649411
SLimit: 18273.0768701128870625779891686 1.30
DLimit, delta: 8589.73989896443636579630303198 1.20
exponent: 1.20
BLimit: 3602743.60262834246281882622651 2
Number of discriminants 2611
Filtering discriminants and reduction takes 13.550 seconds for 2611 D-s,
where 118 was succesful
On average that is 0.005
The time for 118 trial divisions is 0.030 seconds, 0.000 on average
Batch trial division takes: 1.770 seconds for 118 D, that is 0.015 on
average
Time of Miller-Rabin test for 113 is 3.120 seconds, 0.028 on average
This resulted 1 new nodes
n1 6514863246219090635152628786315655401861422135685271896380708961330518988383
1723704850317196192416331007577301200151105791917033261711570640223089394682321
9664954083289566957867143559540663444781896694611865426959701452893302216528542
3972894732175712697693572285382231867868984975907044189570562067260386729756890
5997743254168264718414645103535663435313972628305394832035053679870148254886588

0865600912435392864817185989650203235241344623973940573414745199424296123022463
 0943587590692233944984521389466987855032977086981090691179102979779691460903616
 8400134806447858010875545054941040829398754488549980464580936998608331400567706
 2738236118488153519015926701696872038170670473873734066144431810620507275401577
 5411442117409677356596578371746959158408828022391890085329138843322161112011704
 66547449180469161580580289655383787
 SLimit: 18200.6092672809634925747927854
 BLimit: 3580785.84547796031450298287487
 delta 0.90
 Number of discriminants 578
 Estimation for 141 nodes takes 0.600 second.
 0.798804296002487323838877948566
 Number of discriminants 648
 Estimation for 142 nodes takes 0.620 second. 1.21667046873636655290761467089
 Number of discriminants 1378
 Estimation for 292 nodes takes 0.720 second. 1.80007976598492094798781430529
 delta 1.20
 The time of estimation is 1.940
 Time of sorting a list with 50 element is 0.000 seconds.
 Level completed in 21.140
 n1: 65148632462190906351526287863156554018614221356852718963807089613305189883
 8317237048503171961924163310075773012001511057919170332617115706402230893946823
 2196649540832895669578671435595406634447818966946118654269597014528933022165285
 4239728947321757126976935722853822318678689849759070441895705620672603867297568
 9059977432541682647184146451035356634353139726283053948320350536798701482548865
 8808656009124353928648171859896502032352413446239739405734147451994242961230224
 6309435875906922339449845213894669878550329770869810906911791029797796914609036
 1684001348064478580108755450549410408293987544885499804645809369986083314005677
 0627382361184881535190159267016968720381706704738737340661444318106205072754015
 7754114421174096773565965783717469591584088280223918900853291388433221611120117
 0466547449180469161580580289655383787
 SLimit: 18200.6092672809634925747927854 1.30
 DLimit, delta: 8558.29020278183746229317212664 1.20
 exponent: 1.20
 BLimit: 3580785.84547796031450298287487 2
 Number of discriminants 2602
 Filtering discriminants and reduction takes 15.440 seconds for 2602 D-s,
 where 140 was succesful
 On average that is 0.006
 The time for 140 trial divisions is 0.040 seconds, 0.000 on average
 Batch trial division takes: 1.820 seconds for 140 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 135 is 4.520 seconds, 0.033 on average
 This resulted 3 new nodes
 n1 1841501285041294204068242632798817175041387906519665299446183775603629088242
 1765985881145682682010382443206880321146222452348078823481138176330795803799627
 4426184092738302605536532183713229533829469357965929511832127721435158069005750
 0133669153761013256174337804675852752521054038076500703705851678235170651183472
 9492267300064521657079157980534700501812983387502231565389522776830275384387638
 6699531039752216876055300212995785756578349206054804903151912011756082690279348
 8355615359750986683203707933437671581910149978232619837634685077216532196502034
 5057040796546181386864058722663677305956954421592960306013817928565907014893687
 0704467762265211702807724956508198827037106912595029934285690072410211952652556
 299635156557902967911624047810828364344636336230974194211264115635429484817563
 0227166670870876016762070409911
 SLimit: 18069.7558478996236141479789390
 BLimit: 3541256.30589056550721339161244

delta 0.90
 Number of discriminants 574
 Estimation for 101 nodes takes 0.560 second.
 0.565692072536727476844021932430
 Number of discriminants 643
 Estimation for 125 nodes takes 0.570 second.
 0.917623643140117000093989236999
 Number of discriminants 1368
 Estimation for 224 nodes takes 0.640 second. 1.35544323781544527449121129163
 Number of discriminants 2914
 Estimation for 498 nodes takes 0.820 second. 2.02663278918810620797982465368
 delta 1.30
 The time of estimation is 2.590
 n1 5902737823575550115819428230887564710619041794467493598593994475891357253090
 9928812620397378288963185221859308303433826307833408522755233548534628750707853
 6614847951740564522756477470698192972098940927495747766831164385360832438982772
 8376211287998279515310788646683311439169773122088843088091456273371979391498665
 5589168121129318217127952980001225362801952672372640849311767257338041538194788
 9886033917431597238012947699907013607439193197336282322853539690373819006138830
 9327746880148166352330747279941941319763326022559446275419391481164801230310947
 9068893448103820769458866309760594429588736959636109346881693491526605522295216
 0723767956048961210312328136614961600007211920676406962563407017095198129626476
 5003470809484136897390889178556829751409752298678037703066592867203848545840143
 334602376482895399175472841
 SLimit: 17969.3887435102927637324755174
 BLimit: 3511040.60881202544296531539457
 delta 0.90
 Number of discriminants 571
 Estimation for 229 nodes takes 0.640 second. 1.84490801692854731286388228357
 delta 1.00
 The time of estimation is 0.640
 n1 2142378074307447286583869924815216499583614109598708690229589408984755890476
 4271109253540394427886780375647573969364128755981840976771682197075899483389430
 0451862750420938741957598586292677871270060377537631690015736358432201213213241
 2246344020014907930925936182369251141654386488773167077303883388018383481536027
 0420855973957014525109011310422159948955873477876080055409115711935405338514652
 3771349921863071672765173417882086406510567197819632567393486819995093808791995
 7947564194182553182177922688615764619686884486767366924802804073497325410900655
 4909267632224424526064844612615591037989293058031512971247445313179526641012149
 0644436735529910671551156605124085311345477353867892928735747302424565376881132
 3092484349219325646677609771310167149362985445500789728231519148728078107358929
 68828472396733333691887
 SLimit: 17842.0335269397626951210367822
 BLimit: 3472830.74053448625934232178667
 delta 0.90
 Number of discriminants 568
 Estimation for 118 nodes takes 0.570 second.
 0.660358333298758673974705800169
 Number of discriminants 637
 Estimation for 140 nodes takes 0.590 second. 1.00677904703358543503567159027
 Number of discriminants 1349
 Estimation for 274 nodes takes 0.680 second. 1.53735551803908837633740704413
 delta 1.20
 The time of estimation is 1.840
 Time of sorting a list with 53 element is 0.000 seconds.
 Level completed in 27.650
 n1: 59027378235755501158194282308875647106190417944674935985939944758913572530

9099288126203973782889631852218593083034338263078334085227552335485346287507078
 5366148479517405645227564774706981929720989409274957477668311643853608324389827
 7283762112879982795153107886466833114391697731220888430880914562733719793914986
 6555891681211293182171279529800012253628019526723726408493117672573380415381947
 8898860339174315972380129476999070136074391931973362823228535396903738190061388
 3093277468801481663523307472799419413197633260225594462754193914811648012303109
 4790688934481038207694588663097605944295887369596361093468816934915266055222952
 1607237679560489612103123281366149616000072119206764069625634070170951981296264
 7650034708094841368973908891785568297514097522986780377030665928672038485458401
 43334602376482895399175472841
 SLimit: 17969.3887435102927637324755174 1.30
 DLimit, delta: 1873.77709688533268798731794995 1.00
 exponent: 1.00
 BLimit: 3511040.60881202544296531539457 2
 Number of discriminants 571
 Filtering discriminants and reduction takes 3.970 seconds for 571 D-s, where
 164 was successful
 On average that is 0.007
 The time for 164 trial divisions is 0.040 seconds, 0.000 on average
 Batch trial division takes: 1.850 seconds for 164 D, that is 0.011 on
 average
 Time of Miller-Rabin test for 159 is 5.290 seconds, 0.033 on average
 This resulted 4 new nodes
 n1 4451807853372356721572552082537432786599148685627251584454868727744252880001
 3141081060882611071849475534064628813614872264597629882969876186779269422586025
 3459464163516607130417427555963316994507232656018729640163110945056045149661885
 2880532036552834380903110538381571979708991741540834040786376256968950405653064
 4986129114891881088835877535112185093810249532433744112398353743617956313868816
 9715902648971765094108069305045881418702009370421807405862425660571442758191286
 9415387171746644001476241045587082701783619035114577390987706938888210490546913
 5937058857713375873811509857744985929913669904257045390395658275310317207395496
 4062825878111282590038691867945568940842496862092012478292715155780078949481559
 9021587011249962830404506047025276607804504264557692654389809032879035218148001
 316252657796284731
 SLimit: 17707.9582219987229286746365171
 BLimit: 3432763.06510797438642645035400
 delta 0.90
 Number of discriminants 566
 Estimation for 162 nodes takes 0.560 second. 1.12886545411105263260690633314
 Number of discriminants 631
 Estimation for 165 nodes takes 0.590 second. 1.65490466801480428327864222111
 delta 1.10
 The time of estimation is 1.150
 n1 4861062139838467048137154488790639519120630982120515474371199223297190942795
 3201637081127790194864586075012328773840888743673378519063972143338948471042203
 9092508861065293078684823948949844836453183706331861325628511275161534133460752
 4882407049397587850887913174114663546894282154455351769303162773169715384019674
 0583123932288850109689763413695965451502158035526625857541444390228788576390550
 6648602661515394312885374689980079033180800561838352386366804476197731577338344
 5562665553436099417893446025303149471789655260987342454544306289016458217479367
 1813635030576529084184990978730626296683804817391395568065625734549657666096603
 1697062520186976720470587410002994414230164778271655580557342397989070520008498
 5222654266776630671897487930804498665654709649262297705368653017295158038844474
 517539877885700217
 SLimit: 17709.0509511019774105427481167
 BLimit: 3433088.96311798937015992620260
 delta 0.90

Number of discriminants 566
 Estimation for 168 nodes takes 0.560 second. 1.08617778060616136321578617945
 Number of discriminants 631
 Estimation for 152 nodes takes 0.560 second. 1.54173067563547391440403238239
 delta 1.10
 The time of estimation is 1.120
 n1 3873005560473529922516732203037694356031680738439174084476737808837140680769
 9582230057269665457137205193682351729601281498309817065798107865362265800543200
 4871450329920035204794901852664771640684683084464471450139498419129586608969210
 3703374144385015337543276488756563478857050549690048746049677023986602617649129
 4940088776854283322001581008519542238001772540183361569963724896345709852494168
 6443189109488578676601228608837765932868300610537673536487852292392782320016423
 6311695100751465898519547141683131855582688760492616559351848181756027591841190
 0995019624006208183795456687578505459445746112943570431806342604117203612612868
 5266737485912660962754458407290621824144025249781471324247519775316750999806019
 2959090722216610707904673260730162901859741745793763300083773666534518461221870
 44992725352990833
 SLimit: 17677.6245070587010595771137907
 BLimit: 3423720.59269662944832845081571
 delta 0.90
 Number of discriminants 565
 Estimation for 185 nodes takes 0.570 second. 1.33508341881970996300560429669
 Number of discriminants 629
 Estimation for 182 nodes takes 0.580 second. 1.98765261164219360765017287711
 delta 1.10
 The time of estimation is 1.150
 n1 9177142138643579160167021503245591900838062491398466415724493899084821599954
 9018676337682491120900474536472805198124729956208657529159256138890902908438827
 2100198929944907529161190097478533849656313631056821776789745624006269339214510
 0087393171639116161863788318848431963883353734590863010092438235963898307678273
 5679676805238367874887986598260611571520448806549503808009588397602676520825231
 6365102483569006020063678966410202412536939647478276923376870691146908452375330
 2255771284973956587365554952122887807264344166452827232947783932174051911914848
 0241302973173202671549745906109968522315247189759242748085126064995254034481667
 6323225439100880232976083931072139233239754748651541260691605469622406004557867
 9433239976655262141044136172073729075589657279232135315088000339540225149860032
 005506051199432272437
 SLimit: 17802.8325054222266674623616107
 BLimit: 3461098.89782220629586250256383
 delta 0.90
 Number of discriminants 568
 Estimation for 117 nodes takes 0.510 second.
 0.602886563268839181288194907266
 Number of discriminants 635
 Estimation for 119 nodes takes 0.530 second.
 0.908380242130883650212478287187
 Number of discriminants 1346
 Estimation for 223 nodes takes 0.590 second. 1.31834887307115838640142173520
 Number of discriminants 2866
 Estimation for 490 nodes takes 0.720 second. 1.97103599376569531442482978483
 delta 1.30
 The time of estimation is 2.350
 Time of sorting a list with 57 element is 0.000 seconds.
 Level completed in 17.650
 n1: 38730055604735299225167322030376943560316807384391740844767378088371406807
 6995822300572696654571372051936823517296012814983098170657981078653622658005432
 0048714503299200352047949018526647716406846830844644714501394984191295866089692

1037033741443850153375432764887565634788570505496900487460496770239866026176491
 2949400887768542833220015810085195422380017725401833615699637248963457098524941
 6864431891094885786766012286088377659328683006105376735364878522923927823200164
 2363116951007514658985195471416831318555826887604926165593518481817560275918411
 9009950196240062081837954566875785054594457461129435704318063426041172036126128
 685266737485912660962754458407290621824144025249781471324247519775316750998060
 1929590907222166107079046732607301629018597417457937633000837736665345184612218
 7044992725352990833
 SLimit: 17677.6245070587010595771137907 1.30
 DLimit, delta: 3926.21495766738728232624828081 1.10
 exponent: 1.10
 BLimit: 3423720.59269662944832845081571 2
 Number of discriminants 1193
 Filtering discriminants and reduction takes 6.070 seconds for 1193 D-s,
 where 134 was successful
 On average that is 0.005
 The time for 134 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.810 seconds for 134 D, that is 0.014 on
 average
 Time of Miller-Rabin test for 131 is 3.700 seconds, 0.028 on average
 This resulted 2 new nodes
 n1 1936502780236764961258366101518847178015840369219587042238368904418570340384
 9791115028634832728568602596841175864800640749154908532899053932681132900271600
 2435725164960017602397450926332385820342341542232235725069749209564793304484605
 1851687072192507668771638244378281739428525274845024373024838511993301308824564
 7470044388427141661000790504259771119000886270091680784981862448172854926247084
 3221594554132689972876593347160591179942620067907109362753977113383088361709571
 5300780718263073499350479755201062935545372848225988819904217006278650966149813
 2748414607055305077559776750855144371277481293836219285805608327686201170693655
 8477086363195902138183051617814116946932043253799961385132480794540469896182211
 5124839075340043560629144825753124817979102312667003775323657563964007324866581
 6217584731159009
 SLimit: 17640.4268509617750100282841667
 BLimit: 3412643.38134878062939526922451
 delta 0.90
 Number of discriminants 564
 Estimation for 149 nodes takes 0.550 second.
 0.914948086149735942142544273837
 Number of discriminants 629
 Estimation for 141 nodes takes 0.550 second. 1.34302097135179871883841992173
 Number of discriminants 1333
 Estimation for 313 nodes takes 0.630 second. 2.04420489888221708395086561826
 delta 1.20
 The time of estimation is 1.730
 n1 5001298502677595457795366997724295397768182771744801245450332914304158936944
 6774573937589960559319738111676590559919010199263710053974829371593834969709711
 3728629041735582650819862929577442717826295305351848463506583702388412459929248
 9286381901323625177612702077423248293978629325529505095622000289238898008327904
 8218089846144477430270636632902301443700636028129340870304396818628241028530692
 9807837177782294745893943781142745861866477430655272104876500651377516283669192
 4203936131630650824516367817890247888301706516356276398948679070123567178965002
 9945362860137475121347246376653831363836465621076831588841458867686445958758176
 2562495764346526152233962040349794775815044934084048547514940897841914024319726
 7923746730000516464441921537792975239938891893753926859396145494218835030995438
 3804192274061
 SLimit: 17566.4891818951130592251283324
 BLimit: 3390662.57886286348724381746289

delta 0.90
 Number of discriminants 561
 Estimation for 238 nodes takes 0.580 second. 1.86101618898613210921086310166
 delta 1.00
 The time of estimation is 0.580
 Time of sorting a list with 59 element is 0.000 seconds.
 Level completed in 14.610
 n1: 50012985026775954577953669977242953977681827717448012454503329143041589369
 4467745739375899605593197381116765905599190101992637100539748293715938349697097
 1137286290417355826508198629295774427178262953053518484635065837023884124599292
 4892863819013236251776127020774232482939786293255295050956220002892388980083279
 0482180898461444774302706366329023014437006360281293408703043968186282410285306
 9298078371777822947458939437811427458618664774306552721048765006513775162836691
 9242039361316306508245163678178902478883017065163562763989486790701235671789650
 0299453628601374751213472463766538313638364656210768315888414588676864459587581
 7625624957643465261522339620403497947758150449340840485475149408978419140243197
 2679237467300005164644419215377929752399388918937539268593961454942188350309954
 383804192274061
 SLimit: 17566.4891818951130592251283324 1.30
 DLimit, delta: 1841.37518688149577423130938805 1.00
 exponent: 1.00
 BLimit: 3390662.57886286348724381746289 2
 Number of discriminants 561
 Filtering discriminants and reduction takes 6.310 seconds for 561 D-s, where
 130 was successful
 On average that is 0.011
 The time for 130 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.760 seconds for 130 D, that is 0.014 on
 average
 Time of Miller-Rabin test for 127 is 3.570 seconds, 0.028 on average
 This resulted 2 new nodes
 n1 1111399667261687879510081555049843421726262838165511387877851758734257541543
 2616571986131102346515497358150353457759780044280824456438850971465296659935491
 4161917564830129477959969539906098381739176734522632991890351933864091657762055
 3174751533627472261691711572760721843106362072339890021249333397608644001850645
 5159575521365439428949030362867178098600141339584297971178754848584053561895709
 5512852736091482381390406717784242096002805134132732438622488842980033683100331
 2140984507525797827335298908748812944129508818355683607393174600326652310727708
 9924857413293964969204934749756675831732188954832921077074531268483201666094525
 0103940041249832631242148493031973655116195550147969359375604486770498728427464
 5274452746762913569341241165053588256954066980424369963731870429869337781167086
 616930079611
 SLimit: 17519.2942185729134996824460362
 BLimit: 3376658.08183518330653518273128
 delta 0.90
 Number of discriminants 560
 Estimation for 126 nodes takes 0.540 second.
 0.861860823082443961918405427386
 Number of discriminants 626
 Estimation for 143 nodes takes 0.560 second. 1.25374949930904947100264579291
 Number of discriminants 1325
 Estimation for 267 nodes takes 0.630 second. 1.78661897083702017749645214930
 delta 1.20
 The time of estimation is 1.730
 n1 3475513375638526110169746560290960728395343167695013408836862088730557075311
 9696578854622247628105251604698084488585214973671975909809403250563814684894275
 4899986130558913871911844205097562016821492071182165838671436405854311269504207

0094288365837364005540407695167683542142604516667365129930994426195021583121663
 3809417478783661983079086756104753576209085432435730724806913654962954412082398
 9970769604191368710462228343017511347111407858630606148415132457691839256191359
 8461778921143787538443668657508666661080718553804648501918705412209529428661297
 4689899106585394360564501456432663439923881971817174995105576617554782161201489
 5331994172532754281428687357220517164909703090179848042775233466060830731133677
 0132167036788440354434579707967206791558561803130450674810640411185330367109240
 10380499
 SLimit: 17419.3367583395548763524971460
 BLimit: 3347064.05180093946072945471423
 delta 0.90
 Number of discriminants 557
 Estimation for 152 nodes takes 0.550 second. 1.10972815557670584095975577444
 Number of discriminants 623
 Estimation for 154 nodes takes 0.570 second. 1.55038597682945223687550625324
 delta 1.10
 The time of estimation is 1.120
 Time of sorting a list with 61 element is 0.000 seconds.
 Level completed in 15.240
 n1: 34755133756385261101697465602909607283953431676950134088368620887305570753
 1196965788546222476281052516046980844885852149736719759098094032505638146848942
 7548999861305589138719118442050975620168214920711821658386714364058543112695042
 0700942883658373640055404076951676835421426045166673651299309944261950215831216
 6338094174787836619830790867561047535762090854324357307248069136549629544120823
 9899707696041913687104622283430175113471114078586306061484151324576918392561913
 5984617789211437875384436686575086666610807185538046485019187054122095294286612
 9746898991065853943605645014564326634399238819718171749951055766175547821612014
 8953319941725327542814286873572205171649097030901798480427752334660608307311336
 7701321670367884403544345797079672067915585618031304506748106404111853303671092
 4010380499
 SLimit: 17419.3367583395548763524971460 1.30
 DLimit, delta: 3877.61969774452409253046717050 1.10
 exponent: 1.10
 BLimit: 3347064.05180093946072945471423 2
 Number of discriminants 1179
 Filtering discriminants and reduction takes 6.920 seconds for 1179 D-s,
 where 98 was succesful
 On average that is 0.006
 The time for 98 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.680 seconds for 98 D, that is 0.017 on
 average
 Time of Miller-Rabin test for 91 is 2.340 seconds, 0.026 on average
 This resulted 1 new nodes
 n1 6258803125587117072158736827464362918053922506203877919749436500505235143727
 6601078434399869670637946343774688436134008596563976066647583739535052556985909
 4003216514602762240071752575360277357863302847437719860744528013423935295343430
 5950456268390714938844602368391290369426624377214776030849980958391899123215673
 2954110352572775046063545391868816092578940090826095308494351980844506414699079
 7714393381022690425233487668073244426374877684008247441572686654290956785654716
 0176041133647559192104662885607813260071925668035711485378058999169032678603984
 7644907209074561749337479686784121634385326717435776064819919587136199237564848
 3926100782573682577505625487945491562525579512531266363807251253564752556247191
 1933838620052981019526353084617365618559191598632880684039380825031035623780053
 5013
 SLimit: 17312.6898599735998327270277474
 BLimit: 3315590.18102303913752368828103
 delta 0.90

Number of discriminants 555
 Estimation for 146 nodes takes 0.520 second.
 0.965151871965619592165898671522
 Number of discriminants 619
 Estimation for 150 nodes takes 0.540 second. 1.43799046298605580187906327756
 delta 1.10
 The time of estimation is 1.060
 Time of sorting a list with 62 element is 0.000 seconds.
 Level completed in 12.730
 n1: 62588031255871170721587368274643629180539225062038779197494365005052351437
 2766010784343998696706379463437746884361340085965639760666475837395350525569859
 0940032165146027622400717525753602773578633028474377198607445280134239352953434
 3059504562683907149388446023683912903694266243772147760308499809583918991232156
 7329541103525727750460635453918688160925789400908260953084943519808445064146990
 7977143933810226904252334876680732444263748776840082474415726866542909567856547
 1601760411336475591921046628856078132600719256680357114853780589991690326786039
 8476449072090745617493374796867841216343853267174357760648199195871361992375648
 4839261007825736825775056254879454915625255795125312663638072512535647525562471
 9119338386200529810195263530846173656185591915986328806840393808250310356237800
 535013
 SLimit: 17312.6898599735998327270277474 1.30
 DLimit, delta: 3857.52247134770101561572600716 1.10
 exponent: 1.10
 BLimit: 3315590.18102303913752368828103 2
 Number of discriminants 1173
 Filtering discriminants and reduction takes 9.500 seconds for 1173 D-s,
 where 110 was succesful
 On average that is 0.008
 The time for 110 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.720 seconds for 110 D, that is 0.016 on
 average
 Time of Miller-Rabin test for 106 is 3.000 seconds, 0.028 on average
 This resulted 2 new nodes
 n1 5742021216134969790971318190334277906471488537801722862155446330738747838282
 2569796728807219881319216829151090308379824400517409235456498843610139960537531
 5599281206057580036763075757211263631067250318750201707105071571948564491140762
 0138033273752949485178534282927789329749196676343831220963285282928347819463920
 4545055369332821143177564579696161552824715679656968172930598147563767352934935
 5705082535410049151116816611487603842903802671432748606404707215438080571908338
 2610277468543998244893687085482203377197676130827689534159287467112143229838192
 4119517632795157437762367878138819742707939255890134129871385154587927890094991
 0128842683425897623602965653604640198888671330914693408413228614774136528937730
 4152871846178706793222136748318544786136588010031959162190182596570134510692430
 13
 SLimit: 17254.7260204520635232129114033
 BLimit: 3298527.46224194511859276712340
 delta 0.90
 Number of discriminants 554
 Estimation for 143 nodes takes 0.540 second.
 0.962796781892706167910090022487
 Number of discriminants 616
 Estimation for 150 nodes takes 0.560 second. 1.43491936827481356107516109777
 delta 1.10
 The time of estimation is 1.100
 n1 5177632587422759661105119961872136269667385324548849904789314452821591563330
 4162310254602029951471065661493479942050987366268418612692362620450340506674848
 7474219157177699994299008605262986077988673871861794231440941290275269984056386

1437124475723777329862524185319004324830482978484930518013742269848290182260247
 4515112776779990775750820042242750190099248428989599774077001980792169394591176
 2368720059389842433254940140934000455787807221548988800068147138854228855868301
 3340207332421063493816741269206330727723868349610337540358475431852277938013975
 2348731071350329237391791508247291564218761386818743428390118922406855117512067
 8800658312150556168888967549743905903804526518189109623721751171284559253441220
 34620576955502934922915317871734439621465364382716210234998035945696502481
 SLimit: 17054.6474832730147003727849667
 BLimit: 3239867.90132898897319598120606
 delta 0.90
 Number of discriminants 549
 Estimation for 160 nodes takes 0.520 second. 1.09712945555272714100628934077
 Number of discriminants 610
 Estimation for 155 nodes takes 0.520 second. 1.59732486803249513294214694942
 delta 1.10
 The time of estimation is 1.040
 Time of sorting a list with 64 element is 0.000 seconds.
 Level completed in 17.070
 n1: 51776325874227596611051199618721362696673853245488499047893144528215915633
 3041623102546020299514710656614934799420509873662684186126923626204503405066748
 4874742191571776999942990086052629860779886738718617942314409412902752699840563
 8614371244757237773298625241853190043248304829784849305180137422698482901822602
 4745151127767799907757508200422427501900992484289895997740770019807921693945911
 7623687200593898424332549401409340004557878072215489888000681471388542288558683
 0133402073324210634938167412692063307277238683496103375403584754318522779380139
 7523487310713503292373917915082472915642187613868187434283901189224068551175120
 6788006583121505561688889675497439059038045265181891096237217511712845592534412
 2034620576955502934922915317871734439621465364382716210234998035945696502481
 SLimit: 17054.6474832730147003727849667 1.30
 DLimit, delta: 3808.81620944217370823965093790 1.10
 exponent: 1.10
 BLimit: 3239867.90132898897319598120606 2
 Number of discriminants 1158
 Filtering discriminants and reduction takes 5.310 seconds for 1158 D-s,
 where 134 was succesful
 On average that is 0.005
 The time for 134 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.750 seconds for 134 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 128 is 3.380 seconds, 0.026 on average
 This resulted 2 new nodes
 n1 1821045946734388043586333137582024864536075245606871139562814473582758538019
 0799102947894356487373450517507919945602524728699424168395671056964413428464811
 3030820503736973947821440874882767364569237283880637392853556114668656391424742
 3701899326029886434746363011970443714650812277621322011527817967430209925629329
 9790591356988467930197140562548632588789043315927032650196149681342511920998406
 3277401732545802568012745414932197012042757417186262570705281765366349976889584
 3534998744494430663209677860618089917912129256486012486673297798012733453809989
 5636925970599253302918492314042980715746835273473048472272044198113774919821899
 9064531338808299854805458821272916190800896675022699991147304547298279860231617
 2173444485593322728895817417342571629867558876864011251766639
 SLimit: 16674.0584531885915022504568903
 BLimit: 3129307.08978541010645481416021
 delta 0.90
 Number of discriminants 540
 Estimation for 96 nodes takes 0.470 second. 0.657597741911828025740204105999
 Number of discriminants 599

Estimation for 111 nodes takes 0.480 second.
 0.960876442175367947598460863779
 Number of discriminants 1261
 Estimation for 212 nodes takes 0.540 second. 1.35452473141755203994197718189
 Number of discriminants 2669
 Estimation for 423 nodes takes 0.680 second. 1.91845950424937685046371173292
 delta 1.30
 The time of estimation is 2.170
 n1 2071053034969103864442047984748854507866954129819539961915725781128636625332
 1664924101840811980588426264597391976820394946507367445076945048180136202669939
 4989687662871079997719603442105194431195469548744717692576376516110107993622554
 4574849790289510931945009674127601729932193191393972207205496907939316072904098
 9806045110711996310300328016897100076039699371595839909630800792316867757836475
 7900176412186671157362189424100045236659929106671398676478918218060696719732987
 6899676834482107787784223414109261046044273904355455943701579872234028054149770
 6967979702598124489771395096430460963753287634458443193019451826595743978617655
 4409521685569394940015562100793557714583870796398077277519601990963796956499429
 7828223076146952679311481193755237596225612301857481612104429186124546359
 SLimit: 17015.0096315004952393180365345
 BLimit: 3228290.54575079091306806833793
 delta 0.90
 Number of discriminants 548
 Estimation for 115 nodes takes 0.500 second.
 0.635355976564243851468803712339
 Number of discriminants 610
 Estimation for 124 nodes takes 0.520 second.
 0.993625849800697328659465602748
 Number of discriminants 1287
 Estimation for 231 nodes takes 0.580 second. 1.46975097725597132476308983468
 delta 1.20
 The time of estimation is 1.600
 Time of sorting a list with 66 element is 0.000 seconds.
 Level completed in 14.900
 n1: 20710530349691038644420479847488545078669541298195399619157257811286366253
 3216649241018408119805884262645973919768203949465073674450769450481801362026699
 3949896876628710799977196034421051944311954695487447176925763765161101079936225
 5445748497902895109319450096741276017299321931913939722072054969079393160729040
 9898060451107119963103003280168971000760396993715958399096308007923168677578364
 7579001764121866711573621894241000452366599291066713986764789182180606967197329
 8768996768344821077877842234141092610460442739043554559437015798722340280541497
 7069679797025981244897713950964304609637532876344584431930194518265957439786176
 5544095216855693949400155621007935577145838707963980772775196019909637969564994
 297828223076146952679311481193755237596225612301857481612104429186124546359
 SLimit: 17015.0096315004952393180365345 1.30
 DLimit, delta: 8042.36109327978808906537995782 1.20
 exponent: 1.20
 BLimit: 3228290.54575079091306806833793 2
 Number of discriminants 2443
 Filtering discriminants and reduction takes 10.610 seconds for 2443 D-s,
 where 92 was succesful
 On average that is 0.004
 The time for 92 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.660 seconds for 92 D, that is 0.018 on
 average
 Time of Miller-Rabin test for 86 is 2.100 seconds, 0.024 on average
 This resulted 1 new nodes
 n1 7343797875800699564192812220691990905725209483445028102977892966601233916483

1711591433193611105940005123263155570436932102185932212600625518968929788143106
 4449011754420798760935102432218125658792123605881382756143620327176043412741071
 5401103116677014656635006570956757141291304270005585732616618815245244457454367
 2176305887714975131940930293637210319160446766895409012438024395920969047817708
 2604697529007690276875444046686225524539184226283420966717362276689202498817475
 0053185835151223243226296010868873809255753279581219034597842711652881388000702
 5959900957896824795997445219061731367568784573436389592045842650709225938726578
 3026529692007534392664354994775673590925912382098579000729534292397165051191626
 906957020158029571502967013741304860857559183301921472686464529
 SLimit: 16747.6121816865932854280069147
 BLimit: 3150569.54120684209145733677075
 delta 0.90
 Number of discriminants 541
 Estimation for 217 nodes takes 0.530 second. 1.83790523804287558975631835104
 delta 1.00
 The time of estimation is 0.530
 Time of sorting a list with 67 element is 0.000 seconds.
 Level completed in 15.580
 n1: 73437978758006995641928122206919909057252094834450281029778929666012339164
 8317115914331936111059400051232631555704369321021859322126006255189689297881431
 0644490117544207987609351024322181256587921236058813827561436203271760434127410
 7154011031166770146566350065709567571412913042700055857326166188152452444574543
 6721763058877149751319409302936372103191604467668954090124380243959209690478177
 0826046975290076902768754440466862255245391842262834209667173622766892024988174
 7500531858351512232432262960108688738092557532795812190345978427116528813880007
 0259599009578968247959974452190617313675687845734363895920458426507092259387265
 7830265296920075343926643549947756735909259123820985790007295342923971650511916
 26906957020158029571502967013741304860857559183301921472686464529
 SLimit: 16747.6121816865932854280069147 1.30
 DLimit, delta: 1774.98437773599632643855269781 1.00
 exponent: 1.00
 BLimit: 3150569.54120684209145733677075 2
 Number of discriminants 541
 Filtering discriminants and reduction takes 3.340 seconds for 541 D-s, where
 124 was succesful
 On average that is 0.006
 The time for 124 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.680 seconds for 124 D, that is 0.014 on
 average
 Time of Miller-Rabin test for 119 is 3.010 seconds, 0.025 on average
 This resulted 2 new nodes
 n1 2638711464122992190073232086770863751113941102887078474714488507995125549381
 3269947696163850061420719745342659469813133592823086562682126232966451003608604
 2344512146319140081540405458739580201499092237390457675305817371699199961460627
 1927384253773495259471455057653967569002660439799355298989119620295801249489550
 2201252519749550907959085298277895267565106092808526108453891127131964013123710
 3357744790062005490204357693469846152949351181941693851723482734041888168747432
 6969472792369940322428543364680902875395673825996940013810103471140085195050200
 7367082944870316812467394676722932175828142690307407209889087561632328212319951
 2932636882008129895039746008792860483038558845953279517846573651830956304084593
 89914844919508854785179513723453967027140694870675611737721
 SLimit: 16622.1921631682317570369561905
 BLimit: 3114344.22824660045573586409003
 delta 0.90
 Number of discriminants 538
 Estimation for 113 nodes takes 0.460 second.
 0.788338490900999703185559162742

Number of discriminants 597
 Estimation for 136 nodes takes 0.490 second. 1.24932951405012689022016836815
 Number of discriminants 1257
 Estimation for 253 nodes takes 0.540 second. 1.79511709318647919438137816525
 delta 1.20
 The time of estimation is 1.490
 n1 6119831563167249636827343517243325754771007902870856752481577472167694930402
 6426326194328009254950004269385962975364110085154943510500521265807441490119255
 3707509795350665634112585360181771382326769671567818963453016939313369510617559
 6167585930564178880529172142463964284409420225004654777180515679371037047878639
 3480254906429145943284108578031008599300372305746174177031686996600807537911902
 6241113110700422174074198887932618919681375464410400639035948973316528888270393
 9931451282186323356729144153954126730991775110908746695293702312777702424426179
 3861269283133906834912308869412688802997142303899093506211653154583835931707432
 399959517133614600411656558825057417778779055249923694902050393824738124841997
 86852163000297143832862155196032695670441160583830909280398723
 SLimit: 16717.1388069365187049064330498
 BLimit: 3141754.37500088826592392782537
 delta 0.90
 Number of discriminants 541
 Estimation for 106 nodes takes 0.460 second.
 0.664353979287381516557261414448
 Number of discriminants 600
 Estimation for 109 nodes takes 0.470 second.
 0.956470900368360820964572197542
 Number of discriminants 1266
 Estimation for 250 nodes takes 0.540 second. 1.48437979328523991888281073537
 delta 1.20
 The time of estimation is 1.470
 Time of sorting a list with 69 element is 0.000 seconds.
 Level completed in 11.640
 n1: 26387114641229921900732320867708637511139411028870784747144885079951255493
 8132699476961638500614207197453426594698131335928230865626821262329664510036086
 0423445121463191400815404054587395802014990922373904576753058173716991999614606
 2719273842537734952594714550576539675690026604397993552989891196202958012494895
 5022012525197495509079590852982778952675651060928085261084538911271319640131237
 1033577447900620054902043576934698461529493511819416938517234827340418881687474
 3269694727923699403224285433646809028753956738259969400138101034711400851950502
 0073670829448703168124673946767229321758281426903074072098890875616323282123199
 5129326368820081298950397460087928604830385588459532795178465736518309563040845
 9389914844919508854785179513723453967027140694870675611737721
 SLimit: 16622.1921631682317570369561905 1.30
 DLimit, delta: 7870.81977431360179598981738101 1.20
 exponent: 1.20
 BLimit: 3114344.22824660045573586409003 2
 Number of discriminants 2390
 Filtering discriminants and reduction takes 7.980 seconds for 2390 D-s,
 where 144 was succesful
 On average that is 0.003
 The time for 144 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.740 seconds for 144 D, that is 0.012 on
 average
 Time of Miller-Rabin test for 138 is 3.740 seconds, 0.027 on average
 This resulted 3 new nodes
 n1 1163997559759213719501597566926531217255489055015189413881224200560811538987
 7394119425429555034970380652211047350552058786241308902746005178333625652745223
 5081981538241276047366252668792402531121963245323521133698708863228873808011872

9232407335959853908495753550339893384428368138621884090833110030881202030354389
 8711545621540566776591291295565471884142055032274148580289937720923220260523045
 4236070248004012683687840031154503096024765733612040386803033189647487659719252
 5472838064953443033364425394492619852766699084385221439757204938848194778759074
 6485885234493798575132469447695520104433077344826615244248345215411956944368059
 9814923695167831399713584774263919172522449130358647345773097019594737504527320
 93309972106148099666091923356066197508415766123840771
 SLimit: 16443.2271818236841421453138758
 BLimit: 3062907.87182869967959124200933
 delta 0.90
 Number of discriminants 534
 Estimation for 118 nodes takes 0.460 second.
 0.803551619921768563786726010962
 Number of discriminants 592
 Estimation for 121 nodes takes 0.470 second. 1.16777316232057735839173595915
 Number of discriminants 1242
 Estimation for 234 nodes takes 0.540 second. 1.66139172599643294552933277254
 delta 1.20
 The time of estimation is 1.470
 n1 8707180025947766142274208814458008994559859597611167225209655484498183605007
 6762061651185957384984151481131709874224390834720584525869383195267865060106386
 3641065412608327584911532830890872874057839622797300169208403043594803403376371
 4788010253558287516056934598284617319871809826772896833934077705048104690350932
 3136960366223684110355724255111509455299458682208118947811511193516738159493970
 0200630798354545188126200586343484756336271031624845658930874316619299983048307
 0184834346126989284193963865220176408493954748697536437873379019266577298637875
 9591708001239092714011493768035324478266430022009522131434476941943518368978152
 1551346193195916066396937329862884519358415110325970358352372625555443475796397
 80592762672899843680516222089990394331952101130573
 SLimit: 16383.4582851446531050262721154
 BLimit: 3045796.56003773816773648710337
 delta 0.90
 Number of discriminants 532
 Estimation for 172 nodes takes 0.490 second. 1.31117890724001417334042106185
 Number of discriminants 589
 Estimation for 171 nodes takes 0.510 second. 1.94943320994126117800372835242
 delta 1.10
 The time of estimation is 1.000
 n1 3813166855669063858487329605160207732823614310530460223575850445079661198527
 9291831930872615695694681712922918308978516752634518154164922301974640178625150
 6278196743235751562919661067542745955923543695650950397840776548698265840261021
 9548243141291178120623489967708045619946041097975946963857109277884105851863511
 8787937167268137150229892049534530733475586839318679347476721281982607424273085
 1923433127039670226752012275787996316168453103681209773971094328636973870628721
 0533923125883723926631314768899869011892551053823405799105662674125071685588945
 9638434788761650754685684474919668558990581827495214442898952697188148686716289
 4387558472667909613339385799221560628590368840352977300669500317177033926310733
 63094298407857697972054768560693024891274132142878061657
 SLimit: 16542.1614075072370052602378184
 BLimit: 3091305.51962800787081145617662
 delta 0.90
 Number of discriminants 536
 Estimation for 139 nodes takes 0.480 second.
 0.995841907758604846061077205767
 Number of discriminants 594
 Estimation for 150 nodes takes 0.480 second. 1.51661828187393618536920844839
 delta 1.10

The time of estimation is 0.960
Time of sorting a list with 72 element is 0.010 seconds.
Level completed in 17.560
n1: 87071800259477661422742088144580089945598595976111672252096554844981836050
0767620616511859573849841514811317098742243908347205845258693831952678650601063
8636410654126083275849115328308908728740578396227973001692084030435948034033763
7147880102535582875160569345982846173198718098267728968339340777050481046903509
3231369603662236841103557242551115094552994586822081189478115111935167381594939
7002006307983545451881262005863434847563362710316248456589308743166192999830483
0701848343461269892841939638652201764084939547486975364378733790192665772986378
7595917080012390927140114937680353244782664300220095221314344769419435183689781
5215513461931959160663969373298628845193584151103259703583523726255554434757963
9780592762672899843680516222089990394331952101130573
SLimit: 16383.4582851446531050262721154 1.30
DLimit, delta: 3681.59058344361486462770631214 1.10
exponent: 1.10
BLimit: 3045796.56003773816773648710337 2
Number of discriminants 1120
Filtering discriminants and reduction takes 8.480 seconds for 1120 D-s,
where 120 was succesful
On average that is 0.008
The time for 120 trial divisions is 0.030 seconds, 0.000 on average
Batch trial division takes: 1.670 seconds for 120 D, that is 0.014 on
average
Time of Miller-Rabin test for 117 is 2.170 seconds, 0.019 on average
This resulted 0 new nodes
Time of sorting a list with 72 element is 0.010 seconds.
Level completed in 12.970
n1: 38131668556690638584873296051602077328236143105304602235758504450796611985
2792918319308726156956946817129229183089785167526345181541649223019746401786251
5062781967432357515629196610675427459559235436956509503978407765486982658402610
2195482431412911781206234899677080456199460410979759469638571092778841058518635
1187879371672681371502298920495345307334755868393186793474767212819826074242730
8519234331270396702267520122757879963161684531036812097739710943286369738706287
2105339231258837239266313147688998690118925510538234057991056626741250716855889
4596384347887616507546856844749196685589905818274952144428989526971881486867162
8943875584726679096133393857992215606285903688403529773006695003171770339263107
3363094298407857697972054768560693024891274132142878061657
SLimit: 16542.1614075072370052602378184 1.30
DLimit, delta: 3711.74439284680767928470712257 1.10
exponent: 1.10
BLimit: 3091305.51962800787081145617662 2
Number of discriminants 1129
Filtering discriminants and reduction takes 4.630 seconds for 1129 D-s,
where 98 was succesful
On average that is 0.004
The time for 98 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.640 seconds for 98 D, that is 0.017 on
average
Time of Miller-Rabin test for 98 is 1.850 seconds, 0.019 on average
This resulted 0 new nodes
Time of sorting a list with 72 element is 0.000 seconds.
Level completed in 8.770
n1: 87071800259477661422742088144580089945598595976111672252096554844981836050
0767620616511859573849841514811317098742243908347205845258693831952678650601063
8636410654126083275849115328308908728740578396227973001692084030435948034033763
7147880102535582875160569345982846173198718098267728968339340777050481046903509

3231369603662236841103557242551115094552994586822081189478115111935167381594939
 7002006307983545451881262005863434847563362710316248456589308743166192999830483
 0701848343461269892841939638652201764084939547486975364378733790192665772986378
 7595917080012390927140114937680353244782664300220095221314344769419435183689781
 5215513461931959160663969373298628845193584151103259703583523726255554434757963
 9780592762672899843680516222089990394331952101130573
 SLimit: 16383.4582851446531050262721154 1.30
 DLimit, delta: 7766.41395670033991354980486965 1.20
 exponent: 1.20
 BLimit: 3045796.56003773816773648710337 2
 Number of discriminants 1240
 Filtering discriminants and reduction takes 10.550 seconds for 1240 D-s,
 where 72 was succesful
 On average that is 0.009
 The time for 72 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.620 seconds for 72 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 68 is 2.020 seconds, 0.030 on average
 This resulted 2 new nodes
 n1 3061596352302308770138610694253870954486589169342885803519569438993735444798
 7609726318982404143805960436403554808095777368045212561838742333075901919868630
 9297139737204053299898569912408886383283347265399894574264558032206330310610538
 4946557754415712910005954500100076413457035804069232360736314242281330763133239
 2101603504298060517002715982809954098206560718075991191213611530772952477328412
 7317750462120566114310560064732300717653008550839848225679145988021533481235806
 3578679024058718631836315360059733300669600511307174035078782871841795165202328
 2025019680037124227558387168142170091325217002364031278892164218045177260790152
 0671889162637395524758320099065472873479698336421169686290951550447304122305790
 35559932001510124294871145657897138744580566193
 SLimit: 16286.4675222632230719795569947
 BLimit: 3018100.43939887953194980318918
 delta 0.90
 Number of discriminants 530
 Estimation for 187 nodes takes 0.510 second. 1.57537862379661306642622337663
 delta 1.00
 The time of estimation is 0.510
 n1 5829542809094465257308844100920582068222959901455626376819999253160544180960
 2620502836168232684790846113918246067784117107128662738341746748035232996194764
 6767315474788486830681984715686530716481216648565776108680465070730236673993138
 5140905213177485398697759551083345487083019105650594078810734723491162262642643
 9705255228017436788465499658624632241786425474989200101639302366398843275027282
 1828940726002961987665279398567690122165407479655282279462192619351244415534725
 3494722838427159610175982655678887859065375398197018812821509463704604935376711
 4909902890339276140896708040217158122104671585670809263840162079914715668060958
 1384664691484484009658163355857025181372972542304394957297428595076861487651069
 914603126381987064300365401748004616031502043
 SLimit: 16238.2085537660439706151356987
 BLimit: 3004352.90841527308491708785270
 delta 0.90
 Number of discriminants 528
 Estimation for 160 nodes takes 0.480 second. 1.08835853562109109792828907993
 Number of discriminants 586
 Estimation for 163 nodes takes 0.500 second. 1.63536054233661725444877146705
 delta 1.10
 The time of estimation is 0.980
 Time of sorting a list with 74 element is 0.000 seconds.
 Level completed in 16.310

n1: 30615963523023087701386106942538709544865891693428858035195694389937354447
9876097263189824041438059604364035548080957773680452125618387423330759019198686
3092971397372040532998985699124088863832833472653998945742645580322063303106105
3849465577544157129100059545001000764134570358040692323607363142422813307631332
3921016035042980605170027159828099540982065607180759911912136115307729524773284
1273177504621205661143105600647323007176530085508398482256791459880215334812358
0635786790240587186318363153600597333006696005113071740350787828718417951652023
2820250196800371242275583871681421700913252170023640312788921642180451772607901
5206718891626373955247583200990654728734796983364211696862909515504473041223057
9035559932001510124294871145657897138744580566193
SLimit: 16286.4675222632230719795569947 1.30
DLimit, delta: 1737.26809658120399501425170516 1.00
exponent: 1.00
BLimit: 3018100.43939887953194980318918 2
Number of discriminants 530
Filtering discriminants and reduction takes 2.960 seconds for 530 D-s, where
92 was succesful
On average that is 0.006
The time for 92 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.600 seconds for 92 D, that is 0.017 on
average
Time of Miller-Rabin test for 90 is 1.650 seconds, 0.018 on average
This resulted 0 new nodes
Time of sorting a list with 74 element is 0.000 seconds.
Level completed in 6.830
n1: 58295428090944652573088441009205820682229599014556263768199992531605441809
6026205028361682326847908461139182460677841171071286627383417467480352329961947
6467673154747884868306819847156865307164812166485657761086804650707302366739931
3851409052131774853986977595510833454870830191056505940788107347234911622626426
439705252280174367884654996586246322417864254749892001016393023663988432750272
8218289407260029619876652793985676901221654074796552822794621926193512444155347
2534947228384271596101759826556788878590653753981970188128215094637046049353767
1149099028903392761408967080402171581221046715856708092638401620799147156680609
5813846646914844840096581633558570251813729725423043949572974285950768614876510
69914603126381987064300365401748004616031502043
SLimit: 16238.2085537660439706151356987 1.30
DLimit, delta: 3653.95353426963293678672806132 1.10
exponent: 1.10
BLimit: 3004352.90841527308491708785270 2
Number of discriminants 1113
Filtering discriminants and reduction takes 6.870 seconds for 1113 D-s,
where 100 was succesful
On average that is 0.006
The time for 100 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.610 seconds for 100 D, that is 0.016 on
average
Time of Miller-Rabin test for 92 is 2.400 seconds, 0.026 on average
This resulted 2 new nodes
n1 2914771404547232628654422050460291034111479950727813188409999626580272090480
1310251418084116342395423056959123033892058553564331369170873374017616498097382
3383657737394243415340992357843265358240608324282888054340232535365118336996569
2570452606588742699348879775541672743541509552825297039405367361745581131321321
9852627614008718394232749829312316120893212737494600050819651180918943512695428
4576066618429096019044820003285160135728821095210690591674013679104942521036103
7175333473572544464221345984938407180898519307655857954856822447931867462024469
2253504149800090546201909243293227198750560102142319529823808770644698286303786
1170663869262911729152133597988832107945947781914789012139958506003096129213362

00254537374915545990604365219208236602455711
 SLimit: 16201.7334663420373920414271202
 BLimit: 2993976.83581571310435553434546
 delta 0.90
 Number of discriminants 526
 Estimation for 88 nodes takes 0.460 second. 0.432746919451457303691531710759
 Number of discriminants 586
 Estimation for 96 nodes takes 0.460 second. 0.697328737600839715990880225000
 Number of discriminants 1224
 Estimation for 190 nodes takes 0.510 second. 1.04851439606497974536161532127
 Number of discriminants 2588
 Estimation for 388 nodes takes 0.620 second. 1.55714760083921951553071530757
 delta 1.30
 The time of estimation is 2.050
 n1 5777471763737746069332445121469080260659386725501634052244960275116250246202
 8514745124276481207905643224071355702254065440687898294549123889489766383337507
 8574901670362454491506536095481311364015434423900526431899307106144132781472167
 0993088631235864986970928265676820246430726265960353544714800126519840377316482
 1571464672126587882325494907050600462026883348684179202271612250967459276102637
 6103871973394682258935903054569767192613865400572888221179266686030198608529201
 6617787721803285968328500760387916210369133532267884572794011693841106314745627
 4301693285020688781926631053209357739352026621980614061596845150598464626404069
 9179708847534487429595295130478918860151377110466596194122315556439274424405689
 348485428868120564601751575755311
 SLimit: 15902.3936465500736311949017073
 BLimit: 2909299.69312318840585235633017
 delta 0.90
 Number of discriminants 520
 Estimation for 130 nodes takes 0.460 second.
 0.863894650921651878392020025118
 Number of discriminants 573
 Estimation for 138 nodes takes 0.450 second. 1.30912007526350458389619814951
 Number of discriminants 1202
 Estimation for 259 nodes takes 0.530 second. 1.88413349341012780513089560256
 delta 1.20
 The time of estimation is 1.440
 Time of sorting a list with 76 element is 0.000 seconds.
 Level completed in 14.980
 n1: 57774717637377460693324451214690802606593867255016340522449602751162502462
 0285147451242764812079056432240713557022540654406878982945491238894897663833375
 0785749016703624544915065360954813113640154344239005264318993071061441327814721
 6709930886312358649869709282656768202464307262659603535447148001265198403773164
 8215714646721265878823254949070506004620268833486841792022716122509674592761026
 3761038719733946822589359030545697671926138654005728882211792666860301986085292
 0166177877218032859683285007603879162103691335322678845727940116938411063147456
 2743016932850206887819266310532093577393520266219806140615968451505984646264040
 6991797088475344874295952951304789188601513771104665961941223155564392744244056
 89348485428868120564601751575755311
 SLimit: 15902.3936465500736311949017073 1.30
 DLimit, delta: 7555.67165601202625108113408864 1.20
 exponent: 1.20
 BLimit: 2909299.69312318840585235633017 2
 Number of discriminants 2293
 Filtering discriminants and reduction takes 10.100 seconds for 2293 D-s,
 where 132 was succesful
 On average that is 0.004
 The time for 132 trial divisions is 0.030 seconds, 0.000 on average

Batch trial division takes: 1.610 seconds for 132 D, that is 0.012 on average
 Time of Miller-Rabin test for 122 is 3.540 seconds, 0.029 on average
 This resulted 4 new nodes
 n1 2888735881868873034666222560734540130329693362750817026122480137558125123101
 4257372562138240603952821612035677851127032720343949147274561944744883191668753
 9287450835181227245753268047740655682007717211950263215949653553072066390736083
 5496544315617932493485464132838410123215363132980176772357400063259920188658241
 0785732336063293941162747453525300231013441674342089601137351568651813011322230
 3568781755557086375737676013693782670079717108929752092040120820302621701514852
 8840849244299119117651968896869202538947035026927517738818294943689797106727667
 0854234539894295191555314548696775553398324508548151921327489111661191206937887
 9432121011054933112891611636310724160285718141949393616587779156802289441446940
 895985765462439358750259105340237
 SLimit: 15893.9930407472254839774685511
 BLimit: 2906935.61712227500504736713173
 delta 0.90
 Number of discriminants 520
 Estimation for 99 nodes takes 0.430 second. 0.568419059930524483624300244876
 Number of discriminants 573
 Estimation for 97 nodes takes 0.430 second. 0.824407856691661158571362453544
 Number of discriminants 1201
 Estimation for 199 nodes takes 0.480 second. 1.22020219854001421488138407833
 Number of discriminants 2539
 Estimation for 425 nodes takes 0.580 second. 1.79569465500080312237961892871
 delta 1.30
 The time of estimation is 1.920
 n1 3091588005674528365685332637586025878414796749983277117280217055415055987393
 3580037588472394954210155880194458338597673258333180932621293103137731183949926
 3673890278189426415108166211957575035622793913434391461842415878879156370503936
 1169852930737549705307774753024244506078885329227091321204024576106698455377592
 4844857786312666651642123853046254181477029524924252813892397729705344422571751
 3633716007502677851213450942078617989039369624062146979219220177172283290522989
 0139082884212078668502640494960370416256816225260908190167017647172507561874898
 3059451077391530255652916034019344827300540762066969050103087257459162400762098
 0316545501649629265551014631809417521393947119315041167975441570776361588601605
 3103404945930749205057
 SLimit: 15588.5486108590545736939143889
 BLimit: 2821436.49361279365638783997970
 delta 0.90
 Number of discriminants 512
 Estimation for 135 nodes takes 0.420 second.
 0.876478959789407293650396609928
 Number of discriminants 561
 Estimation for 122 nodes takes 0.420 second. 1.28282528814482324077520589845
 Number of discriminants 1178
 Estimation for 237 nodes takes 0.470 second. 1.86985097291961752663956428657
 delta 1.20
 The time of estimation is 1.320
 n1 3164124682586629704324696433664413985449822282667184787287884328081627557129
 2836581197519008093629874315627761134530621751861803225560405442315447594165006
 7499777056335087502786407311494775602913382751370069360197065061427109510176957
 5015636483007357063683928969737249170453490023831878346254033286874741605617783
 4573366659972319802054620867032233955250149635314257143014003984634791062085441
 6582958265093061764256845957818379483163328379234508753242493597351496888297897
 7588864380340586769481759181196870017285596500494837307539970102524293273524535
 7924313175297146234283570782159616508340067330237016079648621981724974483235806

9743112149097526349096032954254404025157212247530110680323966826888763215437672
 37116640416303630455720127
 SLimit: 15700.0394664747972918667967587
 BLimit: 2852541.12305330539652546643357
 delta 0.90
 Number of discriminants 515
 Estimation for 127 nodes takes 0.450 second.
 0.855067243144935972513337506751
 Number of discriminants 566
 Estimation for 146 nodes takes 0.470 second. 1.35420390145374985171854766033
 Number of discriminants 1186
 Estimation for 257 nodes takes 0.540 second. 1.98843604164142120520044381515
 delta 1.20
 The time of estimation is 1.460
 n1 4796934772259612193783732367593979882266457121600990227482837309107018868721
 8116081859540804580142349899109943630025346339848018060052191645582288709363468
 2746043432984535032318853667242056108159870688264538858567653324688825873753210
 5399399461030168732930059590972379173648928924886698248285938188074459084462696
 0326856142861795794083125583383630643748724197430188192411417518221943466113150
 7865362665514171348170786746860900634674256242554452408845974261271546495048287
 2066761199983133256738364182969278204506348470458014821932102522695735634857035
 8429359691776732739810970954881905967818883867327747134810285768746732400922141
 3973056951005195141657328436373846040613894482264847817861496003896759891226254
 94090064239279586248753
 SLimit: 15621.6364344257637159485190906
 BLimit: 2830655.14672668876024785480756
 delta 0.90
 Number of discriminants 512
 Estimation for 172 nodes takes 0.440 second. 1.28173614951299969997879953846
 Number of discriminants 563
 Estimation for 165 nodes takes 0.450 second. 1.90312476142221270401907826187
 delta 1.10
 The time of estimation is 0.890
 Time of sorting a list with 80 element is 0.000 seconds.
 Level completed in 21.450
 n1: 47969347722596121937837323675939798822664571216009902274828373091070188687
 2181160818595408045801423498991099436300253463398480180600521916455822887093634
 6827460434329845350323188536672420561081598706882645388585676533246888258737532
 1053993994610301687329300595909723791736489289248866982482859381880744590844626
 9603268561428617957940831255833836306437487241974301881924114175182219434661131
 5078653626655141713481707867468609006346742562425544524088459742612715464950482
 8720667611999831332567383641829692782045063484704580148219321025226957356348570
 3584293596917767327398109709548819059678188838673277471348102857687467324009221
 4139730569510051951416573284363738460406138944822648478178614960038967598912262
 5494090064239279586248753
 SLimit: 15621.6364344257637159485190906 1.30
 DLimit, delta: 3536.20822396105397945973422686 1.10
 exponent: 1.10
 BLimit: 2830655.14672668876024785480756 2
 Number of discriminants 1074
 Filtering discriminants and reduction takes 4.600 seconds for 1074 D-s,
 where 120 was succesful
 On average that is 0.004
 The time for 120 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.610 seconds for 120 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 114 is 3.640 seconds, 0.032 on average

This resulted 5 new nodes
n1 6662409405916128046921850510547194280925634891112486427059496262648637317669
1827891471584450805753263748763810597257425472011136194516932841086512096338150
3813949212478520878220630093391744594666487067034081748010629617623369269101681
3054721473653012129069527209683859963401290173453747567063803038992304283975966
7120633531752494158448785532477264782984339163097484181384223437130473765408744
4697951536927502224591713238746827384324399783141768970639724343661777476114066
0485012584167190417139832075112996698860845060733220970795108506215921211260282
3143231246746704495852441207903936650216204723843204570030276375757832767340447
0137831486793809474662053924019179438569376376945760629810999682147600323899619
276633626741733411243
SLimit: 15570.0344953529513078605608799
BLimit: 2816282.83919658787164092407214
delta 0.90
Number of discriminants 511
Estimation for 84 nodes takes 0.440 second. 0.497536363577085701798307673695
Number of discriminants 561
Estimation for 83 nodes takes 0.430 second. 0.681495852513837001652273902322
Number of discriminants 1176
Estimation for 170 nodes takes 0.480 second.
0.980160744454585372890598646569
Number of discriminants 2486
Estimation for 339 nodes takes 0.570 second. 1.41282816427937023589132855278
delta 1.30
The time of estimation is 1.920
n1 8328011757395160058652313138183992851157043613890608033824370328310796647086
4784864339480563507191579685954763246571781840013920243146166051358140120422687
9767436515598151097775787616739680743333108833792602185013287022029211586377101
6318401842066265161336909012104824954251612716817184458829753798740380354969958
3900791914690617698060981915596580978730423953871853793723532681955796351515336
2957924505597332399892152232259611833755489484677693980417921017699612387898669
7431445295870003585367869495374421739093064593305479003556769909608108945927750
5932858325685879040168626453002224416003132049095902378565031694608083860604594
6100806282014672817953745768020390002881094168789914592845919923995164854638168
01112223399466008297
SLimit: 15544.9583512450520731431328546
BLimit: 2809307.81539493735672961405926
delta 0.90
Number of discriminants 511
Estimation for 155 nodes takes 0.460 second. 1.23683905747252049485406942320
Number of discriminants 559
Estimation for 139 nodes takes 0.470 second. 1.78212259849637077801171988229
delta 1.10
The time of estimation is 0.930
n1 1019263817036514728234405692341604131159762024344213563452616999448157446213
4561795278407717833980498736691296275220292733150638255157721645898599396990149
3873429540369165143147708849948105084167083459863662306658850137868392277284473
3675170171468153033916416620018780216881393572834073872996134101533499014569447
0817499199273413110203586827901665536517192165695694645748783420666231542188103
9402838043650046948031391006389033056952269996933969764872881648931748484546454
7825819135630788239562448092473507468425978272563400908245378102446995135836304
0638530806641161348693732926627294440637310475495171183983988529834586391462556
1078308871707159994094614485253797857004919129458372839267652389912774910576991
09904579297
SLimit: 15270.3393626097191155419823071
BLimit: 2733318.81216875156554556681111
delta 0.90

Number of discriminants 504
 Estimation for 153 nodes takes 0.420 second. 1.17138958936490922592974203674
 Number of discriminants 552
 Estimation for 146 nodes takes 0.430 second. 1.70722393310939553910530819592
 delta 1.10
 The time of estimation is 0.850
 n1 7160150831247067863861755342612368000841653995899708168587924765651239587364
 3922702043711272647770028690593491986121475179152660885929063033926645165408283
 4339577475238594534120658423349792522606204673538534919193999422273539849190650
 3535066120705432149279235999356958624215386995856504900971122786315993829019422
 9108717057300864294174564742414318792001265394272682344673080755551626154878712
 8186388994584406625984511259424196561750150615310178596284425988267710683367243
 2555024589267620600124603485820461296203542047743606653891396867560171423026531
 2454835043043791099886839039460730216671836569699324659375859703115843452472803
 3526542572046789234886889183436280889135181180032402542307303342183901617110319
 88527773375143
 SLimit: 15376.7762224750050218042550219
 BLimit: 2762684.05893397549085712978894
 delta 0.90
 Number of discriminants 506
 Estimation for 105 nodes takes 0.420 second.
 0.765263294867980736332856076785
 Number of discriminants 554
 Estimation for 99 nodes takes 0.440 second. 1.08499019223096342445710592233
 Number of discriminants 1165
 Estimation for 237 nodes takes 0.510 second. 1.60977105567064471728161209101
 delta 1.20
 The time of estimation is 1.370
 n1 1669466761366243428198590120234535129538593642434882217805808271688232224785
 5401407445618639940343652043180460225051116392060833073841065298308298307470682
 3136937951020306376272935478331638881156522735756100740626971447082436676045625
 6684733716003912947838038083386510565918930012874460702414316987124370367751543
 2584095794422205988913453971605291582918344992620244209841674701403454939188123
 2673100565827232844347691759429970217601011175235088205432710483488802275950
 9049043413908755019516177696861833721445652128612738292196009483419914539958919
 6411587550033615364619645192664729357315043273931460737577617698831604203234147
 1698609893560339417993401110200670646876125897557285314139826724396546544533477
 14419230911
 SLimit: 15276.2643345777664769564793380
 BLimit: 2734950.58578776268604842873887
 delta 0.90
 Number of discriminants 504
 Estimation for 119 nodes takes 0.430 second.
 0.841514058041645551299279523180
 Number of discriminants 552
 Estimation for 121 nodes takes 0.440 second. 1.33142193791536290072117873289
 Number of discriminants 1154
 Estimation for 246 nodes takes 0.510 second. 1.94971760605067731476916826765
 delta 1.20
 The time of estimation is 1.380
 Time of sorting a list with 85 element is 0.000 seconds.
 Level completed in 16.870
 n1: 10192638170365147282344056923416041311597620243442135634526169994481574462
 1345617952784077178339804987366912962752202927331506382551577216458985993969901
 4938734295403691651431477088499481050841670834598636623066588501378683922772844
 7336751701714681530339164166200187802168813935728340738729961341015334990145694
 4708174991992734131102035868279016655365171921656956946457487834206662315421881

0394028380436500469480313910063890330569522699969339697648728816489317484845464
 5478258191356307882395624480924735074684259782725634009082453781024469951358363
 0406385308066411613486937329266272944406373104754951711839839885298345863914625
 5610783088717071599940946144852537978570049191294583728392676523899127749105769
 9109904579297
 SLimit: 15270.3393626097191155419823071 1.30
 DLimit, delta: 3468.80318854607182726803121754 1.10
 exponent: 1.10
 BLimit: 2733318.81216875156554556681111 2
 Number of discriminants 1055
 Filtering discriminants and reduction takes 4.100 seconds for 1055 D-s,
 where 104 was succesful
 On average that is 0.004
 The time for 104 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.570 seconds for 104 D, that is 0.015 on
 average
 Time of Miller-Rabin test for 102 is 1.640 seconds, 0.016 on average
 This resulted 0 new nodes
 Time of sorting a list with 85 element is 0.000 seconds.
 Level completed in 7.900
 n1: 83280117573951600586523131381839928511570436138906080338243703283107966470
 8647848643394805635071915796859547632465717818400139202431461660513581401204226
 8797674365155981510977757876167396807433331088337926021850132870220292115863771
 0163184018420662651613369090121048249542516127168171844588297537987403803549699
 5839007919146906176980609819155965809787304239538718537937235326819557963515153
 3629579245055973323998921522322596118337554894846776939804179210176996123878986
 6974314452958700035853678694953744217390930645933054790035567699096081089459277
 5059328583256858790401686264530022244160031320490959023785650316946080838606045
 9461008062820146728179537457680203900028810941687899145928459199239951648546381
 6801112223399466008297
 SLimit: 15544.9583512450520731431328546 1.30
 DLimit, delta: 3521.51570900031005155770426846 1.10
 exponent: 1.10
 BLimit: 2809307.81539493735672961405926 2
 Number of discriminants 1069
 Filtering discriminants and reduction takes 4.320 seconds for 1069 D-s,
 where 110 was succesful
 On average that is 0.004
 The time for 110 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.580 seconds for 110 D, that is 0.014 on
 average
 Time of Miller-Rabin test for 108 is 2.140 seconds, 0.020 on average
 This resulted 1 new nodes
 n1 1604997640571068466437772343930001705819658420808396552926374176748149215056
 7527147768170013010174140395843887458867518856000215896381854388559616890306561
 8209882153021536983074272975782392989387355233154602641268363980502083639064350
 4532531961545302413146952862339042737097520181316910356697069418505315362891219
 2395311423583606556055539222093081440550883432368146304391752008985975691722125
 7128121027463995759297339011288494237343573899465022155711817454550863201486241
 8539908393939957680207066235896873000763943042821202593054385438235548878212138
 2798703702298139001796055257386065684762921687851475653724855084312312659428064
 2271950196069624335580834879388263872912014955277542094930466834104109994449585
 7430953006061893
 SLimit: 15414.1865851764582821697257349
 BLimit: 2773031.39988965423657727596004
 delta 0.90
 Number of discriminants 507

Estimation for 172 nodes takes 0.430 second. 1.38313036844325953337950482486
 Number of discriminants 556
 Estimation for 148 nodes takes 0.450 second. 2.01835232122746299972114910485
 delta 1.10
 The time of estimation is 0.880
 Time of sorting a list with 86 element is 0.000 seconds.
 Level completed in 9.530
 n1: 16049976405710684664377723439300017058196584208083965529263741767481492150
 5675271477681700130101741403958438874588675188560002158963818543885596168903065
 6182098821530215369830742729757823929893873552331546026412683639805020836390643
 5045325319615453024131469528623390427370975201813169103566970694185053153628912
 1923953114235836065560555392220930814405508834323681463043917520089859756917221
 2571281210274639957592973390112884942373435738994650221557118174545508632014862
 4185399083939399576802070662358968730007639430428212025930543854382355488782121
 3827987037022981390017960552573860656847629216878514756537248550843123126594280
 6422719501960696243355808348793882638729120149552775420949304668341041099944495
 857430953006061893
 SLimit: 15414.1865851764582821697257349 1.30
 DLimit, delta: 3496.43237568589479516784587234 1.10
 exponent: 1.10
 BLimit: 2773031.39988965423657727596004 2
 Number of discriminants 1062
 Filtering discriminants and reduction takes 7.110 seconds for 1062 D-s,
 where 122 was succesful
 On average that is 0.007
 The time for 122 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.570 seconds for 122 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 116 is 2.250 seconds, 0.019 on average
 This resulted 1 new nodes
 n1 6904200063669587583940559025641727867090118099885624780162737941982477136231
 4786593306400516934668923314631258000302059652807339611569797536980506641297724
 0453347017097435540053444075068737712010788777645512215046420513299352742398971
 9534342042942047062396005548055745312062860495235816877533589922629034474770141
 3751300125517279371469692225334844260809158090146628650967422902352257120267673
 8714305392094837178653387497550271250737732247380017495420266742875213528679501
 1912147793324364182941213199966974523779090959929769607623527546009245775020875
 346815359004676534557769084166769273482289140846442872376631392282549217415098
 6187622135309137912764157287825445425319724896376628752953622438816095281634145
 28089809
 SLimit: 15210.3934146710017196803877529
 BLimit: 2716828.51247126195311741915107
 delta 0.90
 Number of discriminants 502
 Estimation for 191 nodes takes 0.440 second. 1.63435022165813816337311723036
 delta 1.00
 The time of estimation is 0.440
 Time of sorting a list with 87 element is 0.000 seconds.
 Level completed in 11.920
 n1: 69042000636695875839405590256417278670901180998856247801627379419824771362
 3147865933064005169346689233146312580003020596528073396115697975369805066412977
 2404533470170974355400534440750687377120107887776455122150464205132993527423989
 7195343420429420470623960055480557453120628604952358168775335899226290344747701
 4137513001255172793714696922253348442608091580901466286509674229023522571202676
 7387143053920948371786533874975502712507377322473800174954202667428752135286795
 0119121477933243641829412131999669745237790909599297696076235275460092457750208
 753468153590046765345577690841667692734822891408464428723766313922825492174150

9861876221353091379127641572878254454253197248963766287529536224388160952816341
 4528089809
 SLimit: 15210.3934146710017196803877529 1.30
 DLimit, delta: 1648.28047142203985802708133563 1.00
 exponent: 1.00
 BLimit: 2716828.51247126195311741915107 2
 Number of discriminants 502
 Filtering discriminants and reduction takes 2.670 seconds for 502 D-s, where
 100 was successful
 On average that is 0.005
 The time for 100 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.530 seconds for 100 D, that is 0.015 on
 average
 Time of Miller-Rabin test for 98 is 1.900 seconds, 0.019 on average
 This resulted 1 new nodes
 n1 2241856317432196716522677364415045675878701066307416608271878228251791464123
 3760193691033002433586906209291633546440558646615018317347840534399842399631690
 3202068726977294894292083617476081187659363562982359275978809653372867551953115
 8930259651308592796133366306907128439338782112179127986522492571510362919124760
 1618122702851360976292891542411823391004636230425403036596054948319838843832729
 2689619834681412172167754663877109989785838767747186044169579922459665650197032
 2379799124663779627919138438344770677935900687693232889885379775599765748207641
 3831332769205516189429428716033796276142187528045692615635432821494999772311747
 5886573505621315269996426055378695921373950164527193357021891875713817017134370
 597
 SLimit: 15058.9599615967589034347691366
 BLimit: 2675327.10834471961920913210367
 delta 0.90
 Number of discriminants 498
 Estimation for 110 nodes takes 0.410 second.
 0.709607404386457880331144761882
 Number of discriminants 544
 Estimation for 104 nodes takes 0.400 second. 1.08091520841619642591449673544
 Number of discriminants 1142
 Estimation for 238 nodes takes 0.470 second. 1.61524090103978368722606339704
 delta 1.20
 The time of estimation is 1.280
 Time of sorting a list with 88 element is 0.010 seconds.
 Level completed in 7.950
 n1: 22418563174321967165226773644150456758787010663074166082718782282517914641
 2337601936910330024335869062092916335464405586466150183173478405343998423996316
 9032020687269772948942920836174760811876593635629823592759788096533728675519531
 1589302596513085927961333663069071284393387821121791279865224925715103629191247
 6016181227028513609762928915424118233910046362304254030365960549483198388438327
 2926896198346814121721677546638771099897858387677471860441695799224596656501970
 3223797991246637796279191384383447706779359006876932328898853797755997657482076
 4138313327692055161894294287160337962761421875280456926156354328214949997723117
 4758865735056213152699964260553786959213739501645271933570218918757138170171343
 70597
 SLimit: 15058.9599615967589034347691366 1.30
 DLimit, delta: 7184.98943866577702910095760312 1.20
 exponent: 1.20
 BLimit: 2675327.10834471961920913210367 2
 Number of discriminants 2182
 Filtering discriminants and reduction takes 12.070 seconds for 2182 D-s,
 where 94 was successful
 On average that is 0.006

The time for 94 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 1.520 seconds for 94 D, that is 0.016 on average
Time of Miller-Rabin test for 87 is 2.630 seconds, 0.030 on average
This resulted 4 new nodes
n1 2600143994919164045095255502335205862216696527683571978814064862675060857672
2892607955764975011854483353051094674569036146275871770151222081945511002110275
9627541586219264603955534293603548374445334342422486073851594084778004247576742
3039434421706127206240162618107428279830307961423036576658489108926566699328709
3668606543328852018409265865191162879322106950328198389404331818146859304683039
1722928999515617719524952253125020062248293333962046160507384109065582261699934
4178316553349664600338287125695115845012676828513391155325267248460370562625282
4197825625524653781922761812434936917011180783771639751107907902865322159248723
648869006690164451213973643309847867642018388988770024335617655743583
SLimit: 14703.4436786725052141488962194
BLimit: 2578777.91411875380245511526099
delta 0.90
Number of discriminants 489
Estimation for 128 nodes takes 0.400 second.
0.995991809980625501877730528566
Number of discriminants 533
Estimation for 126 nodes takes 0.400 second. 1.45957134399263789658074929894
delta 1.10
The time of estimation is 0.800
n1 1927981009143616027281284283122674299861284026752164265799688878785510375063
1028718344541625759878660310708319183385413352782093496171173490195942896140084
5547014729082640947963608202163812510886965568440281455090135580816019566523147
4828224674327995180713249317945586893136207526813835557724881812444412555146852
5643380377409151166402555506030119875304986010572382810676606808444542972353944
7254416503861366333528055133652094727547064603715642317069351608034318883598274
1271866273038276442162791311892662096436822961877181300078539550242327126367039
9041262746751140016580246868569772974219254740534594078810993326374970667055082
178070533253179544268345935732660959596921252733892599230909762848209778630333
SLimit: 14947.0144768396691342699876557
BLimit: 2644791.67661753642517875683355
delta 0.90
Number of discriminants 495
Estimation for 129 nodes takes 0.410 second.
0.928807252910715461966947012597
Number of discriminants 539
Estimation for 121 nodes takes 0.410 second. 1.36765477963891167099844209479
Number of discriminants 1135
Estimation for 251 nodes takes 0.480 second. 2.03019917815369248035899636779
delta 1.20
The time of estimation is 1.300
n1 1021294218248798531849077555236240754919963379703495281528718601447821282704
4656693858295047500553345615445342450209312060784028994837596538601971078224484
3421538838694596143721288719691063384232622712233988889218878814660104553133556
4864634834218151582318636022402275508874135966925407163085351990068467505899700
6403962831277969675591153614094792378126046527891060340415021190854983683089197
0664060167916839770248518125581030543845669607052784314375581844988055395163661
7612835806826080421133544525329442137597911626844559176083029719926102836186134
4371262828821905047204193073748464631980244209520190539931303584885302557014947
749564083527536050739077552289458631751416765558024932495707046527508149129
SLimit: 14856.9501754256446270864670935
BLimit: 2620313.97862428057062465923352
delta 0.90

Number of discriminants 492
 Estimation for 213 nodes takes 0.440 second. 2.26533347516626837988199585220
 delta 1.00
 The time of estimation is 0.440
 n1 4894092040657615836137124928319541549790429202066514598671564481397746792272
 3752480365689828354342106754130628558793030485500199350646053987783289162082306
 1780561059953839105236454410152248736359984550492626248114517858190745495166972
 7882961380276096866736305284532910489001301344715325442008261921677202633471360
 8757804858715755481194941302959398243525354605302852300228728350356022940510376
 5768466448680888455479511381579439678298109548005262415490207638070200840856722
 2699754058217070495963311946156109880561761214212383450342344992042071541163528
 3483046325919778073526353917292397203131240138607492229163975020291616955172711
 6049652470362590006669509005846861516536429702362171177364068676702709608441
 SLimit: 14903.1363148619948501517265907
 BLimit: 2632856.50825693942896121895633
 delta 0.90
 Number of discriminants 493
 Estimation for 224 nodes takes 0.440 second. 2.43487914834331175280279191319
 delta 1.00
 The time of estimation is 0.440
 Time of sorting a list with 92 element is 0.000 seconds.
 Level completed in 19.740
 n1: 10212942182487985318490775552362407549199633797034952815287186014478212827
 0446566938582950475005533456154453424502093120607840289948375965386019710782244
 8434215388386945961437212887196910633842326227122339888892188788146601045531335
 5648646348342181515823186360224022755088741359669254071630853519900684675058997
 0064039628312779696755911536140947923781260465278910603404150211908549836830891
 9706640601679168397702485181255810305438456696070527843143755818449880553951636
 6176128358068260804211335445253294421375979116268445591760830297199261028361861
 3443712628288219050472041930737484646319802442095201905399313035848853025570149
 47749564083527536050739077552289458631751416765558024932495707046527508149129
 SLimit: 14856.9501754256446270864670935 1.30
 DLimit, delta: 1618.73839103923169127552992839 1.00
 exponent: 1.00
 BLimit: 2620313.97862428057062465923352 2
 Number of discriminants 492
 Filtering discriminants and reduction takes 2.480 seconds for 492 D-s, where
 128 was successful
 On average that is 0.005
 The time for 128 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.560 seconds for 128 D, that is 0.012 on
 average
 Time of Miller-Rabin test for 125 is 2.250 seconds, 0.018 on average
 This resulted 1 new nodes
 n1 2875121498003924499296086871434133121384368224447717032866595976079071279275
 1850847374002492162985729135405117272878788664125433916473085519716049890705026
 5227557424759944839811187142475824925624841258595822712295913398756032224102636
 3278217942194533241577324350005122235087952716455976646790836105909984641251328
 8761132977354425284341508189497035221785486976384318669570217348596955721896795
 8899695365676573695424833989033882110819548900551489055071378033095360989142463
 8188766058363524491766123597079616845692016602069617688537843926583800090680434
 3563339262780941060814225471436901519666145314147956839418385005053990598355079
 676406589614152865692125568260722796965870975700044029001662727207
 SLimit: 14649.8476221223846428993220113
 BLimit: 2564330.58049686060443121557559
 delta 0.90
 Number of discriminants 487

Estimation for 101 nodes takes 0.390 second.
 0.655589942615006039582352271150
 Number of discriminants 531
 Estimation for 90 nodes takes 0.400 second. 0.940801169512962042878295438673
 Number of discriminants 1110
 Estimation for 206 nodes takes 0.460 second. 1.41076896587753337100436968590
 delta 1.20
 The time of estimation is 1.250
 Time of sorting a list with 93 element is 0.000 seconds.
 Level completed in 8.100
 n1: 28751214980039244992960868714341331213843682244477170328665959760790712792
 7518508473740024921629857291354051172728787886641254339164730855197160498907050
 2652275574247599448398111871424758249256248412585958227122959133987560322241026
 3632782179421945332415773243500051222350879527164559766467908361059099846412513
 2887611329773544252843415081894970352217854869763843186695702173485969557218967
 9588996953656765736954248339890338821108195489005514890550713780330953609891424
 6381887660583635244917661235970796168456920166020696176885378439265838000906804
 3435633392627809410608142254714369015196661453141479568394183850050539905983550
 796764065896141528656921255682607227969658709757000440290016627277207
 SLimit: 14649.8476221223846428993220113 1.30
 DLimit, delta: 7004.61721093200425634027342296 1.20
 exponent: 1.20
 BLimit: 2564330.58049686060443121557559 2
 Number of discriminants 2126
 Filtering discriminants and reduction takes 8.420 seconds for 2126 D-s,
 where 82 was succesful
 On average that is 0.004
 The time for 82 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.470 seconds for 82 D, that is 0.018 on
 average
 Time of Miller-Rabin test for 79 is 1.760 seconds, 0.022 on average
 This resulted 2 new nodes
 n1 1147432359331188921223117588130512164789122639934682924832514477744425226303
 2820216905032475496057044152103308749153100202036533239516478388943497160509203
 8267115476179714493856195446293601042355417891999311708514912252483683913013725
 8641980854235282353142513045982613545790253590090252530376638252619941316380223
 9810944697309112397758372448576746310178362676920932604512520569723260677960386
 6394194002767933167305084193858277261308690093963595943141932113390900646528645
 9043389211575546863082188064822568324947487985842651932988483434602068099443055
 2443636703739729097710090632498345534547358053255131885817731065535289533538913
 302480516164896156718304331822763250351815027125637549
 SLimit: 14283.9895672268313422354445679
 BLimit: 2466472.00939074922604964683620
 delta 0.90
 Number of discriminants 477
 Estimation for 130 nodes takes 0.370 second. 1.08594633404362212305842311527
 Number of discriminants 520
 Estimation for 131 nodes takes 0.380 second. 1.5961266005870378488053705437
 delta 1.10
 The time of estimation is 0.750
 n1 1075355902700100819472687259392239283809152249953415523615386957401257812902
 0694325056207935252709183148210236569492857310814922060447311626538897161258949
 6068529827638849854495052551992539297469317620018127410060231758516415317451101
 3569310500181148402510268979693416289900897361089098222857678668066882815602878
 0898247024091691606546536368879170053296876039034829028664075251298695477274395
 3904961940472227717117269209215665973749719932304170456092970994334773589018783
 2197033753147979074562742310285633133906653334934934450788939032470694749781014

2894488970705231613466390602195899916396640760363952549368861885445420818365161
 7855730931457313857252778325266785946856985902578443
 SLimit: 14228.7968244978598493387476960
 BLimit: 2451825.20143902890709874608405
 delta 0.90
 Number of discriminants 476
 Estimation for 111 nodes takes 0.380 second.
 0.839441975499153634642651023543
 Number of discriminants 518
 Estimation for 105 nodes takes 0.390 second. 1.23582215358399879655927562179
 Number of discriminants 1076
 Estimation for 207 nodes takes 0.450 second. 1.76143728658982568055746690142
 delta 1.20
 The time of estimation is 1.220
 Time of sorting a list with 95 element is 0.000 seconds.
 Level completed in 14.130
 n1: 11474323593311889212231175881305121647891226399346829248325144777444252263
 0328202169050324754960570441521033087491531002020365332395164783889434971605092
 0382671154761797144938561954462936010423554178919993117085149122524836839130137
 2586419808542352823531425130459826135457902535900902525303766382526199413163802
 2398109446973091123977583724485767463101783626769209326045125205697232606779603
 8663941940027679331673050841938582772613086900939635959431419321133909006465286
 4590433892115755468630821880648225683249474879858426519329884834346020680994430
 5524436367037397290977100906324983455345473580532551318858177310655352895335389
 13302480516164896156718304331822763250351815027125637549
 SLimit: 14283.9895672268313422354445679 1.30
 DLimit, delta: 3278.24875686398394285477366253 1.10
 exponent: 1.10
 BLimit: 2466472.00939074922604964683620 2
 Number of discriminants 996
 Filtering discriminants and reduction takes 5.600 seconds for 996 D-s, where
 114 was successful
 On average that is 0.006
 The time for 114 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.500 seconds for 114 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 110 is 2.130 seconds, 0.019 on average
 This resulted 2 new nodes
 n1 1304836925378702397337813808331652768952264648052719343602197301772983002690
 6607306909177627369890758130612049226641644391629871211561023103563304253949998
 4610676795049395104322824707248521828115972659467080814496986988028776009023892
 4484869884152401147394553916177353593545382788476652709349845016741494595871564
 1602478207437420309574886302899414784151152870371401326989561755139152574272258
 2175926677201294010013582211742997410756788129378235021382174870915717786265582
 6489407505991630799982324305083892826935518484719315246071052209731308691847348
 8454115614629519185965343718009129953929782460471904539130301418296767627693884
 33779501479220594751499210780518381934835249991
 SLimit: 14095.2228030584544041839596072
 BLimit: 2416504.49837584151689446689171
 delta 0.90
 Number of discriminants 471
 Estimation for 148 nodes takes 0.390 second. 1.38510955269128864214830256244
 Number of discriminants 515
 Estimation for 148 nodes takes 0.400 second. 2.04963336370751568483532762180
 delta 1.10
 The time of estimation is 0.790
 n1 6124505193640709231237015203556684812518939627261259845765910947281526835814

6662112461839250444139105773978162074497370870007214822960252620246447806483796
3445925514563500059617742248253078289608969575426550474804632859938733633032917
1271790011506140891723107154100300215804009629347902254408140299073195203910148
6612558009437329450709226009605625299217438704532567582610088565662375613577184
6849260410742109460063546195926256115007196686549473384032252073437103829778277
1296391739222626359099823285016214922760805804018418083112669544165739561339425
4675185374493101990228232191227716024049578640073480928650824389561248063734263
97456383452663310987718556448906157576027281
SLimit: 14032.0564581819559465507857322
BLimit: 2399864.11281089612603926140118
delta 0.90
Number of discriminants 470
Estimation for 229 nodes takes 0.400 second. 2.64662196116603889365985214211
delta 1.00
The time of estimation is 0.400
Time of sorting a list with 97 element is 0.000 seconds.
Level completed in 10.920
n1: 61245051936407092312370152035566848125189396272612598457659109472815268358
1466621124618392504441391057739781620744973708700072148229602526202464478064837
9634459255145635000596177422482530782896089695754265504748046328599387336330329
1712717900115061408917231071541003002158040096293479022544081402990731952039101
4866125580094373294507092260096056252992174387045325675826100885656623756135771
8468492604107421094600635461959262561150071966865494733840322520734371038297782
7712963917392226263590998232850162149227608058040184180831126695441657395613394
2546751853744931019902282321912277160240495786400734809286508243895612480637342
6397456383452663310987718556448906157576027281
SLimit: 14032.0564581819559465507857322 1.30
DLimit, delta: 1549.14948046045450882739961494 1.00
exponent: 1.00
BLimit: 2399864.11281089612603926140118 2
Number of discriminants 470
Filtering discriminants and reduction takes 2.340 seconds for 470 D-s, where
156 was successful
On average that is 0.005
The time for 156 trial divisions is 0.030 seconds, 0.000 on average
Batch trial division takes: 1.560 seconds for 156 D, that is 0.010 on
average
Time of Miller-Rabin test for 148 is 3.140 seconds, 0.021 on average
This resulted 4 new nodes
n1 2141902332078587493195462438596905588515167424528130466822368774200084121770
8357787951967588194188175559943981519921343296347023493744266493148575504654177
7008353224754942225907550911274915454333827523387196640527972745085767345794762
2942200864945956187204835443706101737845299361363535810834334093139953833960007
9462273684293526735884271835669225456171282572101115688144104878291272310256112
4654520663193098799833970771798195005477513529467235199409030240690473684943413
1834931922422964530419330706755675057729691646764137195736906650095695344553436
6974600480895138437746395545806695698989344103770292133447816584338268366853270
70525972752724257581993039831602817
SLimit: 13776.2053249259388637243617364
BLimit: 2332876.25716754396236688980317
delta 0.90
Number of discriminants 463
Estimation for 105 nodes takes 0.340 second.
0.754036375360714166339688473583
Number of discriminants 505
Estimation for 119 nodes takes 0.350 second. 1.21717963684724726677831954253
Number of discriminants 1048

Estimation for 212 nodes takes 0.380 second. 1.74606942134369350571252442934
 delta 1.20
 The time of estimation is 1.070
 n1 2173819655488763522148431511406271692264738670136192710269732562689639147313
 2162746536775559887599618861173517639044308859785444811239834804557202311661463
 4333150928762905984077205038781228604420098906678979350638446816539641678098657
 9883398042260686791737842262050963480919895677667871551431443429392688509902940
 2366020294544923531023650697124502960120171432643149634437903467261435714627916
 0490190820256689739609999644541134518786038478457899962582976895893446038708616
 9750080302066461605371842168046462145849395352889078119490521919874089916389793
 8521638804304842859600472193088285203126287443651882684291881444290360698268560
 458482284427742580550569705319066401
 SLimit: 13803.3836386708319956941998068
 BLimit: 2339960.63624575827715497231780
 delta 0.90
 Number of discriminants 464
 Estimation for 175 nodes takes 0.360 second. 1.80750884592872242355308115777
 delta 1.00
 The time of estimation is 0.360
 n1 1684162358530385944044238393730451400986395750636221163062749520386332309975
 9103819968727350629757178247271054681817679552269107009735049666701277830534625
 6494766179740360545831537201046648865799748762227119194830288092822374883537948
 6072950366514997897712854052689178580392913516665804894275684832984190163386745
 8933728303061602616892418938414163010444250702477403353885526311871140737054649
 3603371587876737439198286657966160637487655446665109705796958665144459303896124
 0083575482881184864680520008986884584013770954949489178396542666979238556397059
 0581668777804145739949366868644202412756301673337346133259637169185822361301848
 490034511032096586469368338377307
 SLimit: 13719.4159015601278982807056892
 BLimit: 2318097.64594455551392828800136
 delta 0.90
 Number of discriminants 460
 Estimation for 121 nodes takes 0.360 second.
 0.960959212450937680263996604763
 Number of discriminants 505
 Estimation for 95 nodes takes 0.360 second. 1.31602318088943251403477101785
 Number of discriminants 1043
 Estimation for 224 nodes takes 0.430 second. 2.02140751600541475930928312701
 delta 1.20
 The time of estimation is 1.150
 n1 1913907873012721634761567251111464003912168633519143701801847171025477136192
 0831910144324765763793470554368175648280428396877254632175078943827014939526186
 3576851723301093768630544452579086965502802992320797023376447768730854260322786
 6022434378595669028663470985656343817438753009171219454502543843460373501221921
 4566424377949165453346628230552681781408913121543799965655634564031680613539045
 8932799844534665614612507323974489667781239969416831421475314966243832859628548
 1825703759463676815303129101166447384189664576063548012996315733420406203368560
 4247645152384514290620438346486278480628795765922291551252202455655256600749104
 268225876339925694094803711116558214234309
 SLimit: 13964.1708170278190574281016592
 BLimit: 2382025.40339048053359547801335
 delta 0.90
 Number of discriminants 468
 Estimation for 158 nodes takes 0.380 second. 1.58296184412301817148476191303
 delta 1.00
 The time of estimation is 0.380
 Time of sorting a list with 100 element is 0.000 seconds.

Level completed in 10.500
n1: 21738196554887635221484315114062716922647386701361927102697325626896391473
1321627465367755598875996188611735176390443088597854448112398348045572023116614
6343331509287629059840772050387812286044200989066789793506384468165396416780986
5798833980422606867917378422620509634809198956776678715514314434293926885099029
4023660202945449235310236506971245029601201714326431496344379034672614357146279
1604901908202566897396099996445411345187860384784578999625829768958934460387086
1697500803020664616053718421680464621458493953528890781194905219198740899163897
9385216388043048428596004721930882852031262874436518826842918814442903606982685
60458482284427742580550569705319066401
SLimit: 13803.3836386708319956941998068 1.30
DLimit, delta: 1529.69298757814742005505379181 1.00
exponent: 1.00
BLimit: 2339960.63624575827715497231780 2
Number of discriminants 464
Filtering discriminants and reduction takes 1.990 seconds for 464 D-s, where
108 was succesful
On average that is 0.004
The time for 108 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.450 seconds for 108 D, that is 0.013 on
average
Time of Miller-Rabin test for 106 is 1.700 seconds, 0.016 on average
This resulted 1 new nodes
n1 2345685701124450916337568842961195527358789843154262359055359713541080580355
2662797010972504305563986595002776036459672612425228908107999845216359776096260
3315472266237889942256388357334791438313921630633894140412316860598859515974601
031302291847438662539382222469048171389427652326156728793407611693887988966528
8380360961859399902475548070526559155197799354208931837059905302283862410844493
1233873341120737189331271784083043905840353121122159555835886933579146313497133
0842367093904879349765892878768906588230701802053877754048080267613351846119579
5590508753325684762183641713254416237613683643120858595450449552494458572853280
015573000455056564423793150859
SLimit: 13642.4279794748665630022061954
BLimit: 2298115.22323982683050173491769
delta 0.90
Number of discriminants 460
Estimation for 109 nodes takes 0.350 second.
0.863555263190970292750634996239
Number of discriminants 500
Estimation for 99 nodes takes 0.360 second. 1.21182774008462057159626609263
Number of discriminants 1038
Estimation for 202 nodes takes 0.410 second. 1.75512163485016635239576016597
delta 1.20
The time of estimation is 1.120
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 6.730
n1: 23456857011244509163375688429611955273587898431542623590553597135410805803
5526627970109725043055639865950027760364596726124252289081079998452163597760962
6033154722662378899422563883573347914383139216306338941404123168605988595159746
010313022918474386625393822224690481713894276523261567287934076116938879889665
2883803609618593999024755480705265591551977993542089318370599053022838624108444
9312338733411207371893312717840830439058403531211221595558358869335791463134971
3308423670939048793497658928787689065882307018020538777540480802676133518461195
7955905087533256847621836417132544162376136836431208585954504495524944585728532
80015573000455056564423793150859
SLimit: 13642.4279794748665630022061954 1.30
DLimit, delta: 6558.78024296576854780814822183 1.20

exponent: 1.20
 BLimit: 2298115.22323982683050173491769 2
 Number of discriminants 1996
 Filtering discriminants and reduction takes 6.660 seconds for 1996 D-s,
 where 114 was succesful
 On average that is 0.003
 The time for 114 trial divisions is 0.030 seconds, 0.000 on average
 Batch trial division takes: 1.470 seconds for 114 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 111 is 1.460 seconds, 0.013 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 10.070
 n1: 23456857011244509163375688429611955273587898431542623590553597135410805803
 5526627970109725043055639865950027760364596726124252289081079998452163597760962
 6033154722662378899422563883573347914383139216306338941404123168605988595159746
 0103130229184743866253938222224690481713894276523261567287934076116938879889665
 2883803609618593999024755480705265591551977993542089318370599053022838624108444
 9312338733411207371893312717840830439058403531211221595558358869335791463134971
 3308423670939048793497658928787689065882307018020538777540480802676133518461195
 7955905087533256847621836417132544162376136836431208585954504495524944585728532
 80015573000455056564423793150859
 SLimit: 13642.4279794748665630022061954 1.30
 DLimit, delta: 13642.4279794748665630022061956 1.30
 exponent: 1.30
 BLimit: 2298115.22323982683050173491769 2
 Number of discriminants 2155
 Filtering discriminants and reduction takes 8.350 seconds for 2155 D-s,
 where 44 was succesful
 On average that is 0.004
 The time for 44 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 1.390 seconds for 44 D, that is 0.032 on
 average
 Time of Miller-Rabin test for 39 is 0.780 seconds, 0.020 on average
 This resulted 1 new nodes
 n1 6204844715584952204489906763978498436303971905571782846451468791853477745417
 2068101108008137491869893992986940666381880834156160067579971075138304512199100
 9746223997497334792407141969613855212302162015849852636122317051851147140057827
 1438872816637313480267542997899826133645365588193229646502383634827672101614715
 9647659809013836929833613822096325725400761800240592430171870845461517179535212
 4793657956896153868393456086377871304997589010201738764327163431353527299908697
 3613178839081429482425219237666334085448200041859362797604373771842437871214473
 7713580565480995005335976299925961301407231923548096039604454135690647471627970
 737106039659639854494269
 SLimit: 13492.3717299150932094370557814
 BLimit: 2259342.11021954129862265975763
 delta 0.90
 Number of discriminants 456
 Estimation for 172 nodes takes 0.360 second. 1.82807145418451432944362675402
 delta 1.00
 The time of estimation is 0.360
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 11.320
 n1: 62048447155849522044899067639784984363039719055717828464514687918534777454
 1720681011080081374918698939929869406663818808341561600675799710751383045121991
 0097462239974973347924071419696138552123021620158498526361223170518511471400578
 2714388728166373134802675429978998261336453655881932296465023836348276721016147

1596476598090138369298336138220963257254007618002405924301718708454615171795352
 1247936579568961538683934560863778713049975890102017387643271634313535272999086
 9736131788390814294824252192376663340854482000418593627976043737718424378712144
 7377135805654809950053359762999259613014072319235480960396044541356906474716279
 70737106039659639854494269
 SLimit: 13492.3717299150932094370557814 1.30
 DLimit, delta: 1503.11081102476982304867681957 1.00
 exponent: 1.00
 BLimit: 2259342.11021954129862265975763 2
 Number of discriminants 456
 Filtering discriminants and reduction takes 3.070 seconds for 456 D-s, where
 112 was succesful
 On average that is 0.007
 The time for 112 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.470 seconds for 112 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 109 is 2.210 seconds, 0.020 on average
 This resulted 3 new nodes
 n1 8870916028402156071825632690820607340990350554452250254520125462415722752442
 0746283748043864013059650494298868663812005693763968922251760860336412014536229
 5913749373976920161626476293350957249838785495953592490831585271439163279490067
 7478836605128151817078624871954416981295931855067520935817686082417764838661400
 2626971732327405168695001057070894918094640650127013892832981143955423417406095
 6491010386659462464309597765850535297012897084806789771401605024767340161771173
 5925094679223617391827604825354828946158798386749337522536602070274981029131390
 9729075635442226386988952708975830595876821353145343503247217091020597812589464
 60214520481258959
 SLimit: 13308.7477305532572167484938610
 BLimit: 2212210.50750938815906497744184
 delta 0.90
 Number of discriminants 451
 Estimation for 118 nodes takes 0.330 second. 1.01519559926687469215001899108
 Number of discriminants 487
 Estimation for 102 nodes takes 0.320 second. 1.42950696673021318082366684711
 delta 1.10
 The time of estimation is 0.650
 n1 7050959904073809323283984959066475495799968074513389598240305445288042892519
 5531933077281974422579424992030614393615773675177454622249967130838982400226251
 1075254542610607718644479510924835468525184108920287086502633013467212659156621
 7544173655269674409394935224886166060960642713855942780116345039576900115471268
 1417795237515467495464384055189244929671986247306836313075508951664292870441776
 4100962870126255973133485089502597531900245788956383766695329356864050201587692
 5143048181823775922934456822038255150484726390478863012240146691107789784755135
 6515332180907271580380235977748989159650052398845507463785622933583228515275082
 98474934573609469783
 SLimit: 13386.4824424866329286724498924
 BLimit: 2232120.57322573672509702731814
 delta 0.90
 Number of discriminants 453
 Estimation for 122 nodes takes 0.340 second.
 0.952149365239521379175969191431
 Number of discriminants 490
 Estimation for 132 nodes takes 0.350 second. 1.50096564924113670573695571430
 delta 1.10
 The time of estimation is 0.690
 n1 5640767923259047458627187967253180396639974459610711678592244356230434314015
 6425546461825579538063539993624491514892618940141963697799973704671185920181000

8860203634088486174915583608739868374820147287136229669202106410773770127325297
4035338924215739527515948179908932848768514171084754224093076031661520092377014
5134236190012132160906931362819998436648923573384535130328915743235672660859067
4193728579869471227360337679332187378488983342357871400162053154418035714330403
5367187345686751708803542245994742828065025314381395121925458332299326876952036
0138468551011580503383270105550759545383704510341918512873348095362404742656190
76399265243250389428777
SLimit: 13464.3969364755890712421101279
BLimit: 2252139.25550478376653543034840
delta 0.90
Number of discriminants 456
Estimation for 140 nodes takes 0.330 second. 1.30481848467561297486917585483
Number of discriminants 492
Estimation for 123 nodes takes 0.340 second. 1.86073480412052895872302410442
delta 1.10
The time of estimation is 0.670
Time of sorting a list with 100 element is 0.010 seconds.
Level completed in 9.230
n1: 88709160284021560718256326908206073409903505544522502545201254624157227524
4207462837480438640130596504942988686638120056937639689222517608603364120145362
2959137493739769201616264762933509572498387854959535924908315852714391632794900
6774788366051281518170786248719544169812959318550675209358176860824177648386614
0026269717323274051686950010570708949180946406501270138928329811439554234174060
9564910103866594624643095977658505352970128970848067897714016050247673401617711
7359250946792236173918276048253548289461587983867493375225366020702749810291313
9097290756354422263869889527089758305958768213531453435032472170910205978125894
6460214520481258959
SLimit: 13308.7477305532572167484938610 1.30
DLimit, delta: 3087.83828764223165644058733502 1.10
exponent: 1.10
BLimit: 2212210.50750938815906497744184 2
Number of discriminants 937
Filtering discriminants and reduction takes 3.160 seconds for 937 D-s, where
70 was succesful
On average that is 0.003
The time for 70 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.380 seconds for 70 D, that is 0.020 on
average
Time of Miller-Rabin test for 63 is 1.310 seconds, 0.021 on average
This resulted 2 new nodes
n1 6034512369168279097257813455151643704888498253710995109774353264974009550988
2174730512727434266531547339057479742976730271317515647297719550635393035460717
7766165346372057883178650326697998843859739146841798084591579691547285303908407
7028097043393018373212188124254593242939231834246900173294173652351087483476633
2793937467629009786230296655375018110016427345792560235428332231886403046937392
4450701768660085796895613396592845536806946759269370428824058814519055845943255
7018856483783667851775168832231568513885427426846113158367018062461393877708015
8945116757974447169661724721400174294138693426217604376281131845205054131529732
7961144451
SLimit: 13117.0950621378953974516532295
BLimit: 2163390.26312397759391944638215
delta 0.90
Number of discriminants 446
Estimation for 116 nodes takes 0.320 second. 1.00117001503911656818146822175
Number of discriminants 482
Estimation for 109 nodes takes 0.320 second. 1.41534094800715297675461607138
delta 1.10

The time of estimation is 0.640
n1 8368788706039769879080785557377931453764481655143632315585024021146908257020
8251211083060249068924198579527234588501892163928272568162038547487181145788895
8409197522619736001534411597500903065885646694295841972482627614565248376877422
4036638306724671525545872520711714133298048919875019750771401964545061168548490
8138652575890864455689049904135100033092048649692644254750077490734835987210357
3742853472927034306300185451299963746056276751596993345172525882364133674069079
5590286645549605164483110180763538584737078670008183640608803056264037030130308
5524621396010410234981766513949446234542141911716414409615336139956451181118688
922558915062743
SLimit: 13254.5265239067926639352565527
BLimit: 2198359.92137961851251562812928
delta 0.90
Number of discriminants 449
Estimation for 91 nodes takes 0.310 second. 0.696002002019817825369963374605
Number of discriminants 486
Estimation for 98 nodes takes 0.320 second. 1.06521429525096591724562096969
Number of discriminants 1010
Estimation for 189 nodes takes 0.360 second. 1.53717952134852698007949520704
delta 1.20
The time of estimation is 0.990
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 7.910
n1: 60345123691682790972578134551516437048884982537109951097743532649740095509
8821747305127274342665315473390574797429767302713175156472977195506353930354607
1777661653463720578831786503266979988438597391468417980845915796915472853039084
0770280970433930183732121881242545932429392318342469001732941736523510874834766
3327939374676290097862302966553750181100164273457925602354283322318864030469373
9244507017686600857968956133965928455368069467592693704288240588145190558459432
5570188564837836678517751688322315685138854274268461131583670180624613938777080
1589451167579744471696617247214001742941386934262176043762811318452050541315297
327961144451
SLimit: 13117.0950621378953974516532295 1.30
DLimit, delta: 3050.17093865564863802342844651 1.10
exponent: 1.10
BLimit: 2163390.26312397759391944638215 2
Number of discriminants 927
Filtering discriminants and reduction takes 3.360 seconds for 927 D-s, where
90 was succesful
On average that is 0.004
The time for 90 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.410 seconds for 90 D, that is 0.016 on
average
Time of Miller-Rabin test for 85 is 1.530 seconds, 0.018 on average
This resulted 2 new nodes
n1 9796286313584868664379567297324096923520289372907459593789534521061703816539
3140796286895185497616148277690713868468717972918044881976817452330183499124541
8451567120733860199965341439444803317954121991626295591869447551213125493357804
7123534161352302553915889812101612407368882847803409372230801383686830330319209
8691459774899948910219777338231531394845844002991738001200508227319390452080412
2226365802816088262817601903358237567897928987992678337961333127091990108128119
2392821784667228615807177680005390359140741325082764099322651096113706834085584
6732975163518282511833104401080972330632556284379170400967647837087753985295100
9548907
SLimit: 13042.6761474383685255208457366
BLimit: 2144536.29694233531964245828458
delta 0.90

Number of discriminants 446
 Estimation for 94 nodes takes 0.300 second. 0.812495617373780339083242062236
 Number of discriminants 477
 Estimation for 99 nodes takes 0.320 second. 1.17497984052097601067468479131
 Number of discriminants 992
 Estimation for 174 nodes takes 0.350 second. 1.63383440163948538061911679638
 delta 1.20
 The time of estimation is 0.970
 n1 1774856579167140910958180427985777560261323015797351502874809783815885162055
 3580803091978657137215160982075729336169626550387504602146388103128056775135505
 2284166278344722906817250096087646718782276219659352377821052850455083912914237
 5596499130409711286238878860074880365570362304190264756851227544809143377493127
 4351157828217172788023859752754299300278591336492447100463580246962808723872274
 1469917831594953656144504017241668943751690296260580002447438992671822222530490
 587844303768533599299115265843701430721833412995282853972175957020395028752602
 8789556945311485350676109652984132654193817388198117900829202100515075945637917
 786022131
 SLimit: 13076.2270046938903593375559574
 BLimit: 2153029.22626612749161179523532
 delta 0.90
 Number of discriminants 446
 Estimation for 86 nodes takes 0.310 second. 0.660641432610550423994663229001
 Number of discriminants 478
 Estimation for 89 nodes takes 0.310 second. 1.00105372332034629473343380554
 Number of discriminants 996
 Estimation for 192 nodes takes 0.360 second. 1.52874398271107067159823429548
 delta 1.20
 The time of estimation is 0.980
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 8.670
 n1: 97962863135848686643795672973240969235202893729074595937895345210617038165
 3931407962868951854976161482776907138684687179729180448819768174523301834991245
 4184515671207338601999653414394448033179541219916262955918694475512131254933578
 0471235341613523025539158898121016124073688828478034093722308013836868303303192
 0986914597748999489102197773382315313948458440029917380012005082273193904520804
 1222263658028160882628176019033582375678979289879926783379613331270919901081281
 1923928217846672286158071776800053903591407413250827640993226510961137068340855
 8467329751635182825118331044010809723306325562843791704009676478370877539852951
 009548907
 SLimit: 13042.6761474383685255208457366 1.30
 DLimit, delta: 6292.16410289480200628730735130 1.20
 exponent: 1.20
 BLimit: 2144536.29694233531964245828458 2
 Number of discriminants 1913
 Filtering discriminants and reduction takes 5.590 seconds for 1913 D-s,
 where 78 was succesful
 On average that is 0.003
 The time for 78 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.370 seconds for 78 D, that is 0.018 on
 average
 Time of Miller-Rabin test for 73 is 1.350 seconds, 0.018 on average
 This resulted 2 new nodes
 n1 3295255552753325358718168878543350369427813860368267398579235016047002961624
 0433309850276435839408148535949282441625405653046985341280536721837946924649588
 8254672473487329095491240953904819043361330801050647326790912237405889092640848
 5787843014590676702646620038677127525542402939255743281667066762670717582024637
 0476157678822196479890584586073570950988239943167621435168908269290737612104741

5960041276387085658767511458373311040684054373640498734774247487097804085916419
 7289382917252100550351875663191404528364384472356207883240457617420549131465790
 93766359221164737679199161180300704986728924589556479889000521575173872875633
 SLimit: 12790.6882560527804049309632948
 BLimit: 2081125.78160412007405738624036
 delta 0.90
 Number of discriminants 437
 Estimation for 116 nodes takes 0.300 second.
 0.992488383778899869142182457046
 Number of discriminants 469
 Estimation for 117 nodes takes 0.300 second. 1.46610219324636405177536384521
 delta 1.10
 The time of estimation is 0.600
 n1 8905714830531698785799606633930997203200263066279508721626849564601548924126
 6491632988086532270560134797900648971335198157198222619978924956663803181022310
 7683242837030781999968492217677093925412838174205723265335861410193750448507095
 1930485601229365958105354374637829461244438952548553974755273985169845754835645
 3356001318561418278280678832913187326384591335687196056947285219602703857974098
 1986983247088415868831621105782383859798480768919153975265372109527463846798976
 4121752091143854658465479710289101395176792693865031094246175431266833387824614
 8856494449270279486112360390379431149888010711133803261722337276828398266781467
 820567
 SLimit: 13014.9195101094307350184563612
 BLimit: 2137518.97828857852624939300901
 delta 0.90
 Number of discriminants 444
 Estimation for 121 nodes takes 0.310 second. 1.09992373949911742644852539320
 Number of discriminants 476
 Estimation for 116 nodes takes 0.320 second. 1.62367595096534858547068362647
 delta 1.10
 The time of estimation is 0.630
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 9.940
 n1: 3295255527533253587181688785433503694278138603682673985792350160470029616
 2404333098502764358394081485359492824416254056530469853412805367218379469246495
 8882546724734873290954912409539048190433613308010506473267909122374058890926408
 4857878430145906767026466200386771275255424029392557432816670667626707175820246
 3704761576788221964798905845860735709509882399431676214351689082692907376121047
 4159600412763870856587675114583733110406840543736404987347742474870978040859164
 1972893829172521005503518756631914045283643844723562078832404576174205491314657
 9093766359221164737679199161180300704986728924589556479889000521575173872875633
 SLimit: 12790.6882560527804049309632948 1.30
 DLimit, delta: 2985.82315171080132971191440011 1.10
 exponent: 1.10
 BLimit: 2081125.78160412007405738624036 2
 Number of discriminants 905
 Filtering discriminants and reduction takes 2.680 seconds for 905 D-s, where
 74 was succesful
 On average that is 0.003
 The time for 74 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 1.360 seconds for 74 D, that is 0.018 on
 average
 Time of Miller-Rabin test for 70 is 1.050 seconds, 0.015 on average
 This resulted 1 new nodes
 n1 2307117239202776278595651388744206657864463950408364768311443685533153372277
 5630686725671382650289258934362026494171676575682269370076690276439086273646705
 051786912657517965097755440306995662211132675943882466422258795355239860422074

1992468679262533573231548021198016891088988965382442961329599357747474327539478
 1920147773587064551636735486429582843738365082157327883179356207593964759985362
 4485670546684592400852766101836862666825470008043237871513325451235432746638586
 0410280252438611696273839807648331176119347553853315380130651980597426514952246
 984255811908010329596617836951859515451367220515408501830848038245741211
 SLimit: 12654.0476139251373608607334716
 BLimit: 2047020.78640914243326882753101
 delta 0.90
 Number of discriminants 434
 Estimation for 151 nodes takes 0.320 second. 1.71745381018964359713441734867
 delta 1.00
 The time of estimation is 0.320
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 5.820
 n1: 23071172392027762785956513887442066578644639504083647683114436855331533722
 7756306867256713826502892589343620264941716765756822693700766902764390862736467
 050517869126575179650977554403069956622111326759438824664222587953552398604220
 7419924686792625335732315480211980168910889889653824429613295993577474743275394
 7819201477735870645516367354864295828437383650821573278831793562075939647599853
 6244856705466845924008527661018368626668254700080432378715133254512354327466385
 8604102802524386116962738398076483311761193475538533153801306519805974265149522
 46984255811908010329596617836951859515451367220515408501830848038245741211
 SLimit: 12654.0476139251373608607334716 1.30
 DLimit, delta: 1430.74134154610295627523881417 1.00
 exponent: 1.00
 BLimit: 2047020.78640914243326882753101 2
 Number of discriminants 434
 Filtering discriminants and reduction takes 1.930 seconds for 434 D-s, where
 96 was succesful
 On average that is 0.004
 The time for 96 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.380 seconds for 96 D, that is 0.014 on
 average
 Time of Miller-Rabin test for 93 is 1.260 seconds, 0.014 on average
 This resulted 1 new nodes
 n1 5455196345296246483825277701058334865393118441534240152054950275975846561704
 1004612518291190108588797990738507053216885079699134689716978019525568965159010
 032704322519601896865808966625593250767384169749728989821963835110589124137473
 8657487230730147031565285900688032381268663380416509712709442256131443198209290
 2155234642517271073217758447530641517663100534737850572145962491218920118303333
 6846678881371717896079624306102292748942452467688135814198954821215080511724990
 96797047993263232220661404371135166372039323859577298918472332680451533927697
 86974330931221952508559884590108537134749703192692723372898197
 SLimit: 12399.7918224153374846190606960
 BLimit: 1984086.51802111172360465744450
 delta 0.90
 Number of discriminants 426
 Estimation for 83 nodes takes 0.260 second. 0.613112902236638743965039174335
 Number of discriminants 456
 Estimation for 95 nodes takes 0.280 second. 0.94614388568000632642668417245
 Number of discriminants 945
 Estimation for 166 nodes takes 0.300 second. 1.33648172788932126607507620392
 Number of discriminants 1950
 Estimation for 308 nodes takes 0.360 second. 1.91579694731943225395738529339
 delta 1.30
 The time of estimation is 1.200
 Time of sorting a list with 100 element is 0.000 seconds.

Level completed in 6.170
n1: 54551963452962464838252777010583348653931184415342401520549502759758465617
0410046125182911901085887979907385070532168850796991346897169780195255689651590
1003270432251960189686580896666255932507673841697497289898219638351105891241374
7386574872307301470315652859006880323812686633804165097127094422561314431982092
9021552346425172710732177584475306415176631005347378505721459624912189201183033
3368466788813717178960796243061022927489424524676881358141989548212150805117249
909679704799326323232206614043711351663720393238595772989184723326804515339276
9786974330931221952508559884590108537134749703192692723372898197
SLimit: 12399.7918224153374846190606960 1.30
DLimit, delta: 12399.7918224153374846190606962 1.30
exponent: 1.30
BLimit: 1984086.51802111172360465744450 2
Number of discriminants 3774
Filtering discriminants and reduction takes 13.010 seconds for 3774 D-s,
where 122 was succesful
On average that is 0.003
The time for 122 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.380 seconds for 122 D, that is 0.011 on
average
Time of Miller-Rabin test for 117 is 1.900 seconds, 0.016 on average
This resulted 3 new nodes
n1 3749698485118766983924839432800903239535671678137082222363861133471983482470
9454957478568849072052656100576633416561650302645201720136825057618569354318294
3181941624482772607124163594127168458003090499375688386747347354004567610464323
0341761704226556829474446536027450778829134954329223165160500741067338988521523
1914495977113188769656222333094595395674243279069673394049852131373442839989940
8812631150331723584567116997498868204682918248040079498810259625711144047288676
0064060509654860698511397703228017384207738700362028299248523851912151812483435
59088029982134104042456796516239473525978581536543206671
SLimit: 12237.6429750591765846351171498
BLimit: 1944311.35959445697641581006868
delta 0.90
Number of discriminants 422
Estimation for 135 nodes takes 0.300 second. 1.33609364394413773538622410342
Number of discriminants 454
Estimation for 124 nodes takes 0.300 second. 1.97377887895213251347612207723
delta 1.10
The time of estimation is 0.600
n1 3247140681723956240372189107772818372257808596151333423842232307128480096252
4407507451363803636064760708772920865010050642678056362926772630669981526880363
1147049538807154148010767658705710268313919148660552970132121330422969716748496
3486599542101277994979336845647638322183728202628874828993715628649668578790073
1707249618959743057694623866438769080224947551727202904865669819014583745178540
5737272056434631558733396771014500347306367629957563991227205898656737535997844
2769295208401241297160845496695361528209161959203522700370620831849596135199473
331592524657887128220821874799641908217477466117302550348651
SLimit: 12341.1852569996116021704678363
BLimit: 1969677.78703617102982974068297
delta 0.90
Number of discriminants 425
Estimation for 96 nodes takes 0.280 second. 0.875327096195836398880729893638
Number of discriminants 455
Estimation for 80 nodes takes 0.280 second. 1.17474947463856376438278698413
Number of discriminants 939
Estimation for 202 nodes takes 0.330 second. 1.78099947829046269908623885060
delta 1.20

The time of estimation is 0.890
n1 1096911064358031388734122388628375362737816262243293047084330363300857903773
8752863492522998011047666687815372351070688065600195947186912532402297488643322
5778564455928682687913384543733515405010070274045738383308648318521015463815173
5593273494267399304063460816799034805097093098970404240735096037789917163429984
2776577917016633062684009753532064292312611694730836913331027840098599444787229
4415085757639395408541827190727660794338937053998843845265977881088088266236630
8646896084466896983971731908334548639463170410617305757741138608591268735721026
048674213094965054256111614759171258089070788063169
SLimit: 12092.4644609582075375499563265
BLimit: 1908938.91004100965171208668125
delta 0.90
Number of discriminants 418
Estimation for 126 nodes takes 0.270 second. 1.35500564912771959012682849503
Number of discriminants 449
Estimation for 118 nodes takes 0.270 second. 1.97650354582782539316331176208
delta 1.10
The time of estimation is 0.540
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 18.690
n1: 10969110643580313887341223886283753627378162622432930470843303633008579037
7387528634925229980110476666878153723510706880656001959471869125324022974886433
2257785644559286826879133845437335154050100702740457383833086483185210154638151
7355932734942673993040634608167990348050970930989704042407350960377899171634299
8427765779170166330626840097535320642923126116947308369133310278400985994447872
2944150857576393954085418271907276607943389370539988438452659778810880882662366
3086468960844668969839717319083345486394631704106173057577411386085912687357210
26048674213094965054256111614759171258089070788063169
SLimit: 12092.4644609582075375499563265 1.30
DLimit, delta: 2847.31565973394616956898581386 1.10
exponent: 1.10
BLimit: 1908938.91004100965171208668125 2
Number of discriminants 866
Filtering discriminants and reduction takes 2.240 seconds for 866 D-s, where
118 was succesful
On average that is 0.003
The time for 118 trial divisions is 0.030 seconds, 0.000 on average
Batch trial division takes: 1.360 seconds for 118 D, that is 0.012 on
average
Time of Miller-Rabin test for 116 is 1.570 seconds, 0.014 on average
This resulted 2 new nodes
n1 6544815419797323321802639550288635815858092256821557560169035580554044771920
4969352580686145650642402671929429302331074377089474625220241840109173559924359
0564227064013619856285110642801404564499225978793188444562340802631357182668099
9959865717585914702049288883049133681963562643021505016319188769634716631288872
6567821505584543359886367796929336427046478370955601693902427121746157105598058
2858506401336385327945947578808045446478082465860191739839871192475407485264156
8283729070588786312046208449231421469291243342455247756345437382125500999369456
53622353435406071443352089433829596974657203137
SLimit: 12008.0612129227781717267943975
BLimit: 1888478.92806380931026809849693
delta 0.90
Number of discriminants 416
Estimation for 187 nodes takes 0.270 second. 2.18460953924303305899752928480
delta 1.00
The time of estimation is 0.270
n1 3136554621142426694216872657396709150414821283909370730520909423017647429029

8703998346861657298848443666432700422333686292297669325194429918353688893713437
 3833245635920105973911015872852270691118185495764211017776425778082496278535563
 8509476852407196046884904586562048966042276506654233277014210029789795791613638
 9522752922775594065067952572598594065013293807585603638238950345292064104726355
 2462651618291825794049239515645428002712521477966422707337450639991500144460162
 4288515143823562643190535864481642547015196307056790809493891882542861252581145
 224899736358610056670817146689617528076939
 SLimit: 11869.1107770173260205552243986
 BLimit: 1854964.77304052609070440601795
 delta 0.90
 Number of discriminants 412
 Estimation for 87 nodes takes 0.250 second. 0.750277973262939527422852919693
 Number of discriminants 439
 Estimation for 85 nodes takes 0.250 second. 1.08802518176274342800050782973
 Number of discriminants 908
 Estimation for 165 nodes takes 0.290 second. 1.54094751595687956899122058244
 delta 1.20
 The time of estimation is 0.790
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 6.610
 n1: 65448154197973233218026395502886358158580922568215575601690355805540447719
 2049693525806861456506424026719294293023310743770894746252202418401091735599243
 5905642270640136198562851106428014045644992259787931884445623408026313571826680
 9999598657175859147020492888830491336819635626430215050163191887696347166312888
 7265678215055845433598863677969293364270464783709556016939024271217461571055980
 5828585064013363853279459475788080454464780824658601917398398711924754074852641
 5682837290705887863120462084492314214692912433424552477563454373821255009993694
 5653622353435406071443352089433829596974657203137
 SLimit: 12008.0612129227781717267943975 1.30
 DLimit, delta: 1374.21938862170377626835770982 1.00
 exponent: 1.00
 BLimit: 1888478.92806380931026809849693 2
 Number of discriminants 416
 Filtering discriminants and reduction takes 1.550 seconds for 416 D-s, where
 108 was succesful
 On average that is 0.004
 The time for 108 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.370 seconds for 108 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 104 is 1.420 seconds, 0.014 on average
 This resulted 2 new nodes
 n1 1636203854949330830450659887572158953964523064205389390042258895138511192980
 1242338145171536412660600667982357325582768594272368656305060460027293389981089
 7641056766003404964071277660700351141124806494698297111140585200657839295667024
 9989966429396478675512322220762283420490890660755376254079797192385969991504497
 4482483481414391298218420561618392880466070495299822004046305329712736031946987
 6829193958611555980559127140795092704374793114179047168609583103583993484931655
 6441854968559284926107872351021473622544463002544557424342874646276846238654804
 49106033108881580981131339768148224788169267429
 SLimit: 11992.3159508569871981084670889
 BLimit: 1884670.70469708920003345835516
 delta 0.90
 Number of discriminants 416
 Estimation for 161 nodes takes 0.270 second. 1.80689797852116558681719114969
 delta 1.00
 The time of estimation is 0.270
 n1 6515109841625530133414636847727789437197086512837141740773396686097748946576

0272971004172331944863118730707953694540354575804639131148163101927565842740044
 2520559000456627866095924934023971606200470993303929112811766680568969770688344
 1975015056187378909783918205828839148155937129240106045207127324174957639849272
 3163609933814961656834876710017491266558862071611133861335529331292001001923346
 1478793052041638322203245009969904327015046451706476885325374370259166575983427
 8164722253363721281737584665351380873021892835397897730480479425018146287703382
 595157616911363293376675119909864973911
 SLimit: 11799.1816179787487597115674943
 BLimit: 1838177.80090262115005745441832
 delta 0.90
 Number of discriminants 412
 Estimation for 117 nodes takes 0.270 second. 1.16380943723223705849934128320
 Number of discriminants 436
 Estimation for 113 nodes takes 0.260 second. 1.72668572645629679983510387806
 delta 1.10
 The time of estimation is 0.530
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 5.490
 n1: 16362038549493308304506598875721589539645230642053893900422588951385111929
 8012423381451715364126606006679823573255827685942723686563050604600272933899810
 8976410567660034049640712776607003511411248064946982971111405852006578392956670
 249989966429396478675512322207622834204908906607553762540797971923859699915044
 9744824834814143912982184205616183928804660704952998220040463053297127360319469
 8768291939586115559805591271407950927043747931141790471686095831035839934849316
 5564418549685592849261078723510214736225444630025445574243428746462768462386548
 0449106033108881580981131339768148224788169267429
 SLimit: 11992.3159508569871981084670889 1.30
 DLimit, delta: 1372.83309426058388564952324558 1.00
 exponent: 1.00
 BLimit: 1884670.70469708920003345835516 2
 Number of discriminants 416
 Filtering discriminants and reduction takes 2.270 seconds for 416 D-s, where
 92 was succesful
 On average that is 0.006
 The time for 92 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.350 seconds for 92 D, that is 0.015 on
 average
 Time of Miller-Rabin test for 90 is 0.890 seconds, 0.010 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 4.850
 n1: 65151098416255301334146368477277894371970865128371417407733966860977489465
 7607279710041723319448631187307079536945403545758046391311481631019275658427400
 4425205590004566278660959249340239716062004709933039291128117666805689697706883
 4419750150561873789097839182058288391481559371292401060452071273241749576398492
 7231636099338149616568348767100174912665588620716111338613355293312920010019233
 4614787930520416383222032450099699043270150464517064768853253743702591665759834
 2781647222533637212817375846653513808730218928353978977304804794250181462877033
 82595157616911363293376675119909864973911
 SLimit: 11799.1816179787487597115674943 1.30
 DLimit, delta: 2788.77280248626470788164320480 1.10
 exponent: 1.10
 BLimit: 1838177.80090262115005745441832 2
 Number of discriminants 847
 Filtering discriminants and reduction takes 2.770 seconds for 847 D-s, where
 80 was succesful
 On average that is 0.003

The time for 80 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 1.330 seconds for 80 D, that is 0.017 on average
Time of Miller-Rabin test for 75 is 1.510 seconds, 0.020 on average
This resulted 4 new nodes
n1 2832656452880665275397668194664256277042211527320496409031911602651195194163
5099117827901013889070921187264327693278415032958538752673114392142419931626106
1965460434981142550476489101749552872261074344914751788179028991551725987255801
8250006546168425612949529654708190933980842230104393932698750965879321003985259
5903899632918277084568681059429149352835363069091702050820686072914615670293956
0819045706603699932234653665729336419877437236277107373939987146810357590730223
6522141579243072092735979243186811924637499444076072352006754462313468372315848
56127044584213252707817384819464453923
SLimit: 11763.7201491909357388874589170
BLimit: 1829685.46274109234298292888653
delta 0.90
Number of discriminants 411
Estimation for 94 nodes takes 0.240 second. 0.895162254415037176795315147448
Number of discriminants 435
Estimation for 90 nodes takes 0.250 second. 1.24272803550201547021562225048
Number of discriminants 897
Estimation for 182 nodes takes 0.290 second. 1.82283656518652558434617877086
delta 1.20
The time of estimation is 0.780
n1 3637394375184360938121867042065373977965012101369173527458457042816266637212
2188692446698182000568417023560568682668710743143509471524909646987512665897166
0636859332052010158904235934798207074627003634990378577315249961585503020096527
0573760707137395948565887625574576715851674487578552880322324113073194785453033
1096450188286937900829865951128240431493366237413202013108041448981097412115990
3154045148130224167906341669285814954853708807095921605008603659493708625068817
7879353236454647302038068742138163937740625779466615694300474711474753980064352
75232751977079753731438357265481
SLimit: 11610.5835730307204534423534874
BLimit: 1793170.61602618934232073316084
delta 0.90
Number of discriminants 407
Estimation for 155 nodes takes 0.250 second. 1.67850435855482591425330252003
delta 1.00
The time of estimation is 0.250
n1 3452628426934568168211254291323682796606829100602618834538101052516030178365
6983556441002825619959257408960229832824777199684493445229551193390336959586668
9200084260973305705403245857988326235400355587336475417494311966385251600788735
6637527851715622103754063702082055722393183428320140988451046869776962714699158
4745352052957334222317491990869134046574135874712987549491735951391936317426765
750785799717792722592237028646779806115653942207732984663950898575885524895448
2823775319631406967658899310570851816384276619900699461342289447123668118036930
473700524449294903994555262904458091
SLimit: 11713.9172103245126902416552510
BLimit: 1817781.87860328132503003939516
delta 0.90
Number of discriminants 410
Estimation for 90 nodes takes 0.240 second. 0.842275570095900701158510272602
Number of discriminants 434
Estimation for 91 nodes takes 0.250 second. 1.16161488254898052021621016524
Number of discriminants 891
Estimation for 154 nodes takes 0.290 second. 1.62491870095126471473914564493
delta 1.20

The time of estimation is 0.780
n1 1161790114808522765248284867868046662909488270457529261062836661322536912129
1469407185710727509952730068138412733386655523145293381590023057431865830704274
4332121751492848890673367714017919905810184883484835303703001644234117673300559
6109542577362928715576448282189663567688680651169278979212444514798912404349447
7325837492217436929274317776277091893800701109566536797464127803560579251418679
5908802767971968628034408762184708093215565022012039527946893850379561746985155
9896455019179248184766457652659035547396060431776053085894258225833008201087465
0566953086926860254590774231885907
SLimit: 11649.6421016378421972361801256
BLimit: 1802459.48951922035616116391631
delta 0.90
Number of discriminants 407
Estimation for 117 nodes takes 0.250 second. 1.12946441765892483170975096428
Number of discriminants 433
Estimation for 94 nodes takes 0.270 second. 1.61953962216345739460087405482
delta 1.10
The time of estimation is 0.520
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 8.280
n1: 36373943751843609381218670420653739779650121013691735274584570428162666372
1221886924466981820005684170235605686826687107431435094715249096469875126658971
6606368593320520101589042359347982070746270036349903785773152499615855030200965
2705737607071373959485658876255745767158516744875785528803223241130731947854530
3310964501882869379008298659511282404314933662374132020131080414489810974121159
9031540451481302241679063416692858149548537088070959216050086036594937086250688
1778793532364546473020380687421381639377406257794666156943004747114747539800643
5275232751977079753731438357265481
SLimit: 11610.5835730307204534423534874 1.30
DLimit, delta: 1339.09320662386654582560987687 1.00
exponent: 1.00
BLimit: 1793170.61602618934232073316084 2
Number of discriminants 407
Filtering discriminants and reduction takes 1.340 seconds for 407 D-s, where
76 was succesful
On average that is 0.003
The time for 76 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 1.300 seconds for 76 D, that is 0.017 on
average
Time of Miller-Rabin test for 70 is 1.430 seconds, 0.020 on average
This resulted 4 new nodes
n1 6065255498798354101352098584424761931541932102798308394821592174244662648967
3656754842670927615961743215154939358471112276172665907730252366956550109047983
2980706228096930447890206824628915766999055601858195756807873741617620216598901
2312218750958623248846755307689677870723640572240837872157037051854804566981774
7178429040249755137261373991173250960392623319036835483480660122272366441292422
1417914543313957822322977605992096220559549978694604937444687600926480458190466
3576645102628304272955705406561750024216978784192839798794311681377469097912605
7608127189974899578867919
SLimit: 11434.9780769969325957121512565
BLimit: 1751616.30404842908026662629576
delta 0.90
Number of discriminants 403
Estimation for 152 nodes takes 0.260 second. 1.83924676724429075640471512659
delta 1.00
The time of estimation is 0.260
n1 3757638817339215845167218018662576423517574484885509842415761407868044046706

8376748395349361570835141553265050292013130932999493255707551288210240357331783
 1236424929805795618702723073138643672135334333667746464168646654530478326545999
 0262149490844417302237487216502661896540986040886934793711095770086377949427955
 8576247756338737368862598395313561192354074311829328515687990622094114732332789
 2823616412336287224084373867793686881138249863233967791100783403099043778746101
 0450939486706448410405530996010202555015501117933046916523015674293683898667895
 83368288023050365581732400427
 SLimit: 11533.1482773986219019583102293
 BLimit: 1774804.73167837427851945140017
 delta 0.90
 Number of discriminants 404
 Estimation for 72 nodes takes 0.230 second. 0.598677089613185770255206454342
 Number of discriminants 429
 Estimation for 80 nodes takes 0.250 second. 0.915738170570120876330059135689
 Number of discriminants 880
 Estimation for 134 nodes takes 0.260 second. 1.25728410733845432291465727295
 Number of discriminants 1795
 Estimation for 280 nodes takes 0.330 second. 1.81204188264624730590593694415
 delta 1.30
 The time of estimation is 1.070
 n1 3792903415207884189908099105386208527596467258987667911844063652571706608146
 2136279923564319082970195019354086217589896499628268479170917254418678483730100
 1706839762306579936292216824607098096587073654838768068107664193519815453698151
 2589948599726168872331478233133030986289545868173673493547986885424659625046099
 5832191845247079563212867458458677042081406206194019053510441390293976349691206
 8504263465163290615822119755115994350575008126070364014572178485320644535811556
 4646473094597113407151533654321182242397652736875772419229932498755571218875935
 43116659659092698345924232421
 SLimit: 11533.2534034480090484842063688
 BLimit: 1774829.62029484980815181738543
 delta 0.90
 Number of discriminants 404
 Estimation for 90 nodes takes 0.250 second. 0.962260595134939174420625495951
 Number of discriminants 429
 Estimation for 109 nodes takes 0.250 second. 1.49359322921813941720761564505
 delta 1.10
 The time of estimation is 0.500
 n1 3637394375184360938121867042065373977965012101369173527458457042816266637212
 2188692446698182000568417023560568682668710743143509471524909646987512665897166
 0636859332052010158904235934798207074627003634990378577315249961585503020096527
 0573760707137395948565887625574576715851674487578552880334368984946457880743859
 1536259216702841586344098230273390602567494660675861434503730828186855119430587
 5340566834564774358885163712385772408254152150439800830563638692531365999743803
 1509444646599221609197364101434536110122459377712808300639431341153277702513665
 366890938012406494229292715189
 SLimit: 11558.7026124387892654486270091
 BLimit: 1780858.31939582441358334400302
 delta 0.90
 Number of discriminants 404
 Estimation for 158 nodes takes 0.270 second. 2.18727539364613853051834532186
 delta 1.00
 The time of estimation is 0.270
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 6.520
 n1: 60652554987983541013520985844247619315419321027983083948215921742446626489
 6736567548426709276159617432151549393584711122761726659077302523669565501090479
 8329807062280969304478902068246289157669990556018581957568078737416176202165989

0123122187509586232488467553076896778707236405722408378721570370518548045669817
 7471784290402497551372613739911732509603926233190368354834806601222723664412924
 2214179145433139578223229776059920962205595499786946049374446876009264804581904
 6635766451026283042729557054065617500242169787841928397987943116813774690979126
 057608127189974899578867919
 SLimit: 11434.9780769969325957121512565 1.30
 DLimit, delta: 1323.48642004685075660407278768 1.00
 exponent: 1.00
 BLimit: 1751616.30404842908026662629576 2
 Number of discriminants 403
 Filtering discriminants and reduction takes 1.650 seconds for 403 D-s, where
 84 was successful
 On average that is 0.004
 The time for 84 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 1.300 seconds for 84 D, that is 0.015 on
 average
 Time of Miller-Rabin test for 79 is 1.090 seconds, 0.014 on average
 This resulted 2 new nodes
 n1 2127114925579839412692746925869664702090878902573580835667248430330596425954
 7470279456642676445241545632024598217882833792583525954874886851005313217734440
 3794874878339387826292420153127907612751299572791679791263194831176832509153012
 9870315897790076190238744233600925114232882293694619457520855906410488064001551
 4499729486993735285703080193731275321479180207060355873249695424365102009379845
 4210508065684932631964391116876146162646590829158410898582095719699906101626079
 6819094612898255112344780656251284493825396539121299922043513611995652320625874
 948549913593539289331
 SLimit: 11319.8921737873137288562811459
 BLimit: 1724568.48800605538911024141248
 delta 0.90
 Number of discriminants 399
 Estimation for 119 nodes takes 0.230 second. 1.20116819139548173431901985818
 Number of discriminants 420
 Estimation for 111 nodes takes 0.250 second. 1.79641019459770388845299085806
 delta 1.10
 The time of estimation is 0.480
 n1 3411279808098061924270021701026300298954967436894436667503707634558302952175
 1213022971131005408302442753180505825911761685136482512784168935296147417912251
 5737180105791299464505178191579817641731752307006859255797454297872677287175984
 9444442492102712738384001860342900939664589748166950438387375053410385122855766
 5527174240317527771343710781572763563036148075408359332880732859592938605049008
 0140118088079649508967136209621479347470278370556378288562467154654222390015755
 0694440060622448105643910057027558403448164281460093516982333828990659249982013
 8870911011307012195621
 SLimit: 11350.9972498006086258724865264
 BLimit: 1731864.35827028944930907242544
 delta 0.90
 Number of discriminants 401
 Estimation for 133 nodes takes 0.240 second. 1.54405426205330119571197419026
 delta 1.00
 The time of estimation is 0.240
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 5.070
 n1: 34112798080980619242700217010263002989549674368944366675037076345583029521
 7512130229711310054083024427531805058259117616851364825127841689352961474179122
 5157371801057912994645051781915798176417317523070068592557974542978726772871759
 8494444424921027127383840018603429009396645897481669504383873750534103851228557
 6655271742403175277713437107815727635630361480754083593328807328595929386050490

0801401180880796495089671362096214793474702783705563782885624671546542223900157
 5506944400606224481056439100570275584034481642814600935169823338289906592499820
 138870911011307012195621
 SLimit: 11350.9972498006086258724865264 1.30
 DLimit, delta: 1316.00317563077690671650276201 1.00
 exponent: 1.00
 BLimit: 1731864.35827028944930907242544 2
 Number of discriminants 401
 Filtering discriminants and reduction takes 1.850 seconds for 401 D-s, where
 64 was succesful
 On average that is 0.005
 The time for 64 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.760 seconds for 64 D, that is 0.012 on
 average
 Time of Miller-Rabin test for 60 is 0.550 seconds, 0.009 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.470
 n1: 21271149255798394126927469258696647020908789025735808356672484303305964259
 5474702794566426764452415456320245982178828337925835259548748868510053132177344
 4037948748783393878262924201531279076127512995727916797912631948311768325091530
 1298703158977900761902387442336009251142328822936946194575208559064104880640015
 5144997294869937352857030801937312753214791802070603558732496954243651020093798
 4542105080656849326319643911168761461626465908291584108985820957196999061016260
 7968190946128982551123447806562512844938253965391212999220435136119956523206258
 74948549913593539289331
 SLimit: 11319.8921737873137288562811459 1.30
 DLimit, delta: 2692.61490453942327251446483211 1.10
 exponent: 1.10
 BLimit: 1724568.48800605538911024141248 2
 Number of discriminants 818
 Filtering discriminants and reduction takes 2.600 seconds for 818 D-s, where
 86 was succesful
 On average that is 0.003
 The time for 86 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.790 seconds for 86 D, that is 0.009 on
 average
 Time of Miller-Rabin test for 82 is 1.090 seconds, 0.013 on average
 This resulted 2 new nodes
 n1 7880188068031353869466187506000269334835732342121648547290608117342873116024
 5803681877816177575246897855847392001996183455772290631992082639351070705712699
 4186961450807565706520235293066059647434537486447252609039294456295780082217050
 9129395172821585400170206695022913601325082960503447913454161643258884408291791
 7152281626688337410677913971523072217396245447514045186657834277155389507427426
 5831309116760454552725283435313290708370630122731999296171637006904623091045824
 7871153482982790103631125913338457676699822617443489530021743740602532760807118
 563337411518957
 SLimit: 11179.9530819248433881478560469
 BLimit: 1691878.61674986363438265035639
 delta 0.90
 Number of discriminants 395
 Estimation for 95 nodes takes 0.230 second. 0.881000474695334520976434848468
 Number of discriminants 416
 Estimation for 96 nodes takes 0.230 second. 1.28645228020010854064072392390
 Number of discriminants 854
 Estimation for 166 nodes takes 0.270 second. 1.88821287222143985120395689415
 delta 1.20

The time of estimation is 0.730
n1 4013429612917494954272198818277074175985019494786853280369833746256379892182
7785548355983098252036489692834879762169565452044694086252464840011420425687800
1963577798505790179788007937459215961528892505146242155038267561474433823608209
9560310555479923530916944464703029734572451223935781443593311393657339411462667
8967506054763187857766961759155908693441974635401344110378927386721231278157461
4183538873315615042924279084985023465713352740100931195260749760602139704518243
2184575398897627431018425719402573036943708724334579243532892355366974669112321
4734107533707
SLimit: 11120.9930545591545380423047142
BLimit: 1678171.18894337406730149352296
delta 0.90
Number of discriminants 394
Estimation for 93 nodes takes 0.230 second. 0.798846452845647006763110573196
Number of discriminants 414
Estimation for 82 nodes takes 0.240 second. 1.19074231026830992738482922923
Number of discriminants 849
Estimation for 181 nodes takes 0.270 second. 1.73557116602671925616700745945
delta 1.20
The time of estimation is 0.740
Time of sorting a list with 100 element is 0.010 seconds.
Level completed in 6.250
n1: 40134296129174949542721988182770741759850194947868532803698337462563798921
8277855483559830982520364896928348797621695654520446940862524648400114204256878
0019635777985057901797880079374592159615288925051462421550382675614744338236082
0995603105554799235309169444647030297345724512239357814435933113936573394114626
6789675060547631878577669617591559086934419746354013441103789273867212312781574
6141835388733156150429242790849850234657133527401009311952607497606021397045182
4321845753988976274310184257194025730369437087243345792435328923553669746691123
214734107533707
SLimit: 11120.9930545591545380423047142 1.30
DLimit, delta: 5431.27454522765680919416491088 1.20
exponent: 1.20
BLimit: 1678171.18894337406730149352296 2
Number of discriminants 1655
Filtering discriminants and reduction takes 4.360 seconds for 1655 D-s,
where 102 was succesful
On average that is 0.003
The time for 102 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 0.790 seconds for 102 D, that is 0.008 on
average
Time of Miller-Rabin test for 99 is 0.860 seconds, 0.009 on average
This resulted 0 new nodes
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 6.310
n1: 78801880680313538694661875060002693348357323421216485472906081173428731160
2458036818778161775752468978558473920019961834557722906319920826393510707057126
9941869614508075657065202352930660596474345374864472526090392944562957800822170
5091293951728215854001702066950229136013250829605034479134541616432588844082917
9171522816266883374106779139715230722173962454475140451866578342771553895074274
2658313091167604545527252834353132907083706301227319992961716370069046230910458
2478711534829827901036311259133384576766998226174434895300217437406025327608071
18563337411518957
SLimit: 11179.9530819248433881478560469 1.30
DLimit, delta: 5457.84906093849295698644155918 1.20
exponent: 1.20
BLimit: 1691878.61674986363438265035639 2

Number of discriminants 1663
 Filtering discriminants and reduction takes 5.420 seconds for 1663 D-s,
 where 104 was succesful
 On average that is 0.003
 The time for 104 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.810 seconds for 104 D, that is 0.008 on
 average
 Time of Miller-Rabin test for 100 is 1.560 seconds, 0.016 on average
 This resulted 4 new nodes
 n1 2710371641852297699236437444408818121928545756884522195168726399716657817576
 1059073905305517150401351265464195718498678281918287284770675358178888748771976
 9843277330543591710131051034298201169590403304399952601871044197826854954672712
 1733832995720920146558250645745158485352080126938035194698149305549085775817521
 8254621874032804735607732536786038476529199547128152064882807615769533145748361
 1875713723363396609903429836965761165724199432986145726345810487655584605582491
 8757432937402227879775192080472225577281520856165422502025215480894980427841146
 0427
 SLimit: 10885.9163262994262167838824837
 BLimit: 1623908.39099119122863253410876
 delta 0.90
 Number of discriminants 388
 Estimation for 82 nodes takes 0.220 second. 0.758897502503784522448935912257
 Number of discriminants 404
 Estimation for 69 nodes takes 0.210 second. 1.06952699335309384028597426852
 Number of discriminants 832
 Estimation for 146 nodes takes 0.240 second. 1.51970702016319602131841762972
 delta 1.20
 The time of estimation is 0.670
 n1 1048220837768141516623116711100559933725180384510244181759070040413251844099
 0490123804424628096242082755597444511131337180434365381880438835728253025219848
 9139494862277050156331391517835311832455449183735069099124853720254223608290308
 0400459440507302797944381132759593782612675565436935719466449971193731388727886
 7167285794529861664612047159746756383408721809068265342609823716676651435058534
 8557029873075390018143749024386715381823975354832791241257508486821443251666107
 6038130237412960304920891709359306275438109175119568954119307075318548075712173
 199
 SLimit: 10849.8095507697253023037044399
 BLimit: 1615629.28029041962306591728460
 delta 0.90
 Number of discriminants 387
 Estimation for 123 nodes takes 0.230 second. 1.52415411528461858546248562605
 delta 1.00
 The time of estimation is 0.230
 n1 3256276061169980937795945250413334435882534025670102705491986825348294676043
 2150281767692635361672271841259252893386852667674500261153753156756640787484586
 5366512996201473432446378220275231259270470035722005210346815891031314083560764
 8400576517694870000070333345050790744349207834920861354246012322947316758009953
 1005722356288748155019736425145982390993295519090427073148871786732999270763055
 8815787460820178500865500947800579298374333696798456313913640077253218612999596
 8895120331942044344788117262814538825833017039739696155988015637053588131754075
 697655194901
 SLimit: 11092.9709329043312412900191690
 BLimit: 1671670.10892498607288032237459
 delta 0.90
 Number of discriminants 393
 Estimation for 100 nodes takes 0.230 second. 1.12592746950939818406561004452
 Number of discriminants 412

Estimation for 95 nodes takes 0.230 second. 1.61769681944145947707070795776
 delta 1.10
 The time of estimation is 0.460
 n1 5533839935415276593726255271067604869968913161602281283209696711617186176983
 5536293453522596611830686696522044945222038943660316455050619831004965383225210
 2659383041297447827612524784456502561400658347224194247920852848522317473467030
 1354912340464596488883572117291371911042895337428374033646186108974297375160672
 3889472127156961190164244835321518104677202544520694839134500627733621882946398
 2059348046939596931679499018879165461480247573137615936952442822901133834113892
 7127858220323455379775297884138369065382157992652414471583295699321354932020523
 117179684293
 SLimit: 11098.8860373861959602112041875
 BLimit: 1673041.66669264078218721711769
 delta 0.90
 Number of discriminants 393
 Estimation for 166 nodes takes 0.250 second. 2.08141515605673329512679139007
 delta 1.00
 The time of estimation is 0.250
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 9.690
 n1: 10482208377681415166231167111005599337251803845102441817590700404132518440
 9904901238044246280962420827555974445111313371804343653818804388357282530252198
 4891394948622770501563313915178353118324554491837350690991248537202542236082903
 0804004594405073027979443811327595937826126755654369357194664499711937313887278
 8671672857945298616646120471597467563834087218090682653426098237166766514350585
 3485570298730753900181437490243867153818239753548327912412575084868214432516661
 0760381302374129603049208917093593062754381091751195689541193070753185480757121
 73199
 SLimit: 10849.8095507697253023037044399 1.30
 DLimit, delta: 1271.07406561947428597804365303 1.00
 exponent: 1.00
 BLimit: 1615629.28029041962306591728460 2
 Number of discriminants 387
 Filtering discriminants and reduction takes 1.300 seconds for 387 D-s, where
 58 was succesful
 On average that is 0.003
 The time for 58 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.740 seconds for 58 D, that is 0.013 on
 average
 Time of Miller-Rabin test for 53 is 0.600 seconds, 0.011 on average
 This resulted 1 new nodes
 n1 6276632420528057262342790675299768410671023363615561701681280357340896304088
 1669830096127379790041075470767680662951402755953103924526455615823200475317905
 6149623405212280664029548553926121591650060350369896589865097122124980514146141
 9121010136346097708879390892295163416215786894640558230848335339094381506392541
 3275247027376240158207452094220291061475758595422100001975719595183236903599752
 5205158289802586773061345553500737207315989452182453073679707998148389771133509
 56383720430719512365899129308087637386016903259073902028057921819588167347
 SLimit: 10665.6239702398623294131547751
 BLimit: 1573627.55181914822526425792078
 delta 0.90
 Number of discriminants 380
 Estimation for 65 nodes takes 0.200 second. 0.622654508296726124337020266828
 Number of discriminants 398
 Estimation for 67 nodes takes 0.200 second. 0.905064015077015259169713691877
 Number of discriminants 817
 Estimation for 126 nodes takes 0.230 second. 1.28849683520629206570814961609

Number of discriminants 1652
 Estimation for 245 nodes takes 0.280 second. 1.80307838537412729327942533740
 delta 1.30
 The time of estimation is 0.910
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.820
 n1: 62766324205280572623427906752997684106710233636155617016812803573408963040
 8816698300961273797900410754707676806629514027559531039245264556158232004753179
 0561496234052122806640295485539261215916500603503698965898650971221249805141461
 4191210101363460977088793908922951634162157868946405582308483353390943815063925
 4132752470273762401582074520942202910614757585954221000019757195951832369035997
 5252051582898025867730613455535007372073159894521824530736797079981483897711335
 0956383720430719512365899129308087637386016903259073902028057921819588167347
 SLimit: 10665.6239702398623294131547751 1.30
 DLimit, delta: 10665.6239702398623294131547752 1.30
 exponent: 1.30
 BLimit: 1573627.55181914822526425792078 2
 Number of discriminants 3244
 Filtering discriminants and reduction takes 5.710 seconds for 3244 D-s,
 where 98 was succesful
 On average that is 0.002
 The time for 98 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.760 seconds for 98 D, that is 0.008 on
 average
 Time of Miller-Rabin test for 94 is 0.740 seconds, 0.008 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 7.490
 n1: 62766324205280572623427906752997684106710233636155617016812803573408963040
 8816698300961273797900410754707676806629514027559531039245264556158232004753179
 0561496234052122806640295485539261215916500603503698965898650971221249805141461
 4191210101363460977088793908922951634162157868946405582308483353390943815063925
 4132752470273762401582074520942202910614757585954221000019757195951832369035997
 5252051582898025867730613455535007372073159894521824530736797079981483897711335
 0956383720430719512365899129308087637386016903259073902028057921819588167347
 SLimit: 10665.6239702398623294131547751 1.30
 DLimit, delta: 21768.6434240656465538273667777 1.40
 exponent: 1.40
 BLimit: 1573627.55181914822526425792078 2
 Number of discriminants 3372
 Filtering discriminants and reduction takes 1.840 seconds for 3372 D-s,
 where 32 was succesful
 On average that is 0.001
 The time for 32 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.690 seconds for 32 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 31 is 0.420 seconds, 0.014 on average
 This resulted 1 new nodes
 n1 1569158105132014315585697668824942102667755840903890425420320089335224076022
 0417457524031844947510268867691920165737850688988275981131613903955800118829476
 4037405851303070166007387138481530397912515087592474147466274280531245128536535
 4780252534086524427219847723073790854061671260464671557753054064601110909918222
 4799787778190391473620409943083512097051310960259114087419868349273544086837614
 1988263339724474274925766222268389464105519727438629136656350879482895096072837
 74841273563321308924326268802657194139536607523302461246340407634793692213
 SLimit: 10650.3038531070412702252865127
 BLimit: 1570151.41877239277125337906498

delta 0.90
 Number of discriminants 380
 Estimation for 88 nodes takes 0.200 second. 0.781287938773741870272389268270
 Number of discriminants 397
 Estimation for 69 nodes takes 0.210 second. 1.08351741506680725810464702214
 Number of discriminants 815
 Estimation for 150 nodes takes 0.230 second. 1.57627474564022884739853056410
 delta 1.20
 The time of estimation is 0.640
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.860
 n1: 15691581051320143155856976688249421026677558409038904254203200893352240760
 2204174575240318449475102688676919201657378506889882759811316139039558001188294
 7640374058513030701660073871384815303979125150875924741474662742805312451285365
 3547802525340865244272198477230737908540616712604646715577530540646011109099182
 2247997877781903914736204099430835120970513109602591140874198683492735440868376
 14198826339724474274925766222683894641055197274386291366563508794828950960728
 3774841273563321308924326268802657194139536607523302461246340407634793692213
 SLimit: 10650.3038531070412702252865127 1.30
 DLimit, delta: 5218.73111886796087672538308665 1.20
 exponent: 1.20
 BLimit: 1570151.41877239277125337906498 2
 Number of discriminants 1590
 Filtering discriminants and reduction takes 4.540 seconds for 1590 D-s,
 where 92 was succesful
 On average that is 0.003
 The time for 92 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.770 seconds for 92 D, that is 0.008 on
 average
 Time of Miller-Rabin test for 87 is 0.970 seconds, 0.011 on average
 This resulted 2 new nodes
 n1 1227525486878780824358487118793518084555198536273588116669915818021625486792
 7511681457574332476089734780837136661481057559581225196651527332146193113430604
 7858035884334058378646327681455617493340828975438253747108505980968032111566470
 9483812638629537770352925130112250435401550139627290893593554281207921910563478
 9121245455195327486824695165116917466375970537276061686457923372839472220378258
 4147276652752352358043592457646413075223861851224737182778201461887272563340859
 390341935778587617213139801181002521101183180939001705307990176175473
 SLimit: 10520.5643853399108208543345610
 BLimit: 1540821.63211229459083892751580
 delta 0.90
 Number of discriminants 377
 Estimation for 98 nodes takes 0.190 second. 0.923953376986641268363141753809
 Number of discriminants 392
 Estimation for 94 nodes takes 0.190 second. 1.33657895592940638758118390065
 Number of discriminants 806
 Estimation for 186 nodes takes 0.220 second. 1.93603026127979321159064324068
 delta 1.20
 The time of estimation is 0.600
 n1 2047867646079576001756235211976589714277192316903177105633117677666558879753
 1344562440008150119427684364809877017302477929876117118829105637862549747898147
 3216493332771808005334343206412521400491380099697841599846359209296362926154384
 3678550498651237767827113858678470001665051452218359602139005241539409828650648
 1814904030046241341623508411509448814785810004100463593700639236628562974574436
 0486058783388395517528335396411348459570765594529617551088355911161740999643289
 485204037228618005459714344358459962588516833667334128546908891410193
 SLimit: 10526.2037771851339033610843512

BLimit: 1542092.48391773735569571245180
 delta 0.90
 Number of discriminants 377
 Estimation for 94 nodes takes 0.170 second. 0.948451845276628576997292018319
 Number of discriminants 393
 Estimation for 92 nodes takes 0.180 second. 1.42440501744202593845736559186
 delta 1.10
 The time of estimation is 0.350
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 7.520
 n1: 20478676460795760017562352119765897142771923169031771056331176776665588797
 5313445624400081501194276843648098770173024779298761171188291056378625497478981
 4732164933327718080053343432064125214004913800996978415998463592092963629261543
 8436785504986512377678271138586784700016650514522183596021390052415394098286506
 4818149040300462413416235084115094488147858100041004635937006392366285629745744
 3604860587833883955175283353964113484595707655945296175510883559111617409996432
 89485204037228618005459714344358459962588516833667334128546908891410193
 SLimit: 10526.2037771851339033610843512 1.30
 DLimit, delta: 2531.98268392621127620426350555 1.10
 exponent: 1.10
 BLimit: 1542092.48391773735569571245180 2
 Number of discriminants 769
 Filtering discriminants and reduction takes 1.430 seconds for 769 D-s, where
 60 was succesful
 On average that is 0.002
 The time for 60 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.730 seconds for 60 D, that is 0.012 on
 average
 Time of Miller-Rabin test for 58 is 0.590 seconds, 0.010 on average
 This resulted 1 new nodes
 n1 9659753047545169819604883075361272237156567532562156158646781498427164527137
 4266803962302594902960775305706967062747537405076024145420309612559196924047864
 7247610060244377383652562294398685851374434432536988678520562308001711915822567
 7729011786090744187863744616407877326888673617178753817574281501856931009783238
 3176951086069087047126778498055544667809094825296081642057592096644830336161487
 5380118594450324573143131818946676732519360045899721518120320333593690468787224
 800830643047625341398806883847403400278683350639598775166921521461
 SLimit: 10467.2153734978697671673662519
 BLimit: 1528817.45037162000775828403802
 delta 0.90
 Number of discriminants 375
 Estimation for 166 nodes takes 0.220 second. 2.41420906122680004901942974717
 delta 1.00
 The time of estimation is 0.220
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.250
 n1: 96597530475451698196048830753612722371565675325621561586467814984271645271
 3742668039623025949029607753057069670627475374050760241454203096125591969240478
 6472476100602443773836525622943986858513744344325369886785205623080017119158225
 6777290117860907441878637446164078773268886736171787538175742815018569310097832
 3831769510860690870471267784980555446678090948252960816420575920966448303361614
 8753801185944503245731431318189466767325193600458997215181203203335936904687872
 24800830643047625341398806883847403400278683350639598775166921521461
 SLimit: 10467.2153734978697671673662519 1.30
 DLimit, delta: 1236.45357792826981966691305060 1.00
 exponent: 1.00
 BLimit: 1528817.45037162000775828403802 2

Number of discriminants 375
 Filtering discriminants and reduction takes 1.720 seconds for 375 D-s, where
 120 was successful
 On average that is 0.005
 The time for 120 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.780 seconds for 120 D, that is 0.007 on
 average
 Time of Miller-Rabin test for 113 is 1.600 seconds, 0.014 on average
 This resulted 5 new nodes
 n1 7760989019027652557296020092285675818337531326240920417670867926588261524729
 5679912210552663233628345203958847076646956540243570059367679455490683129485354
 8090794103764245703858296234899348724488586656767409872394695351010494218207524
 6046547633013642751914743108700390810292428835455253840193250688384170597544148
 4268096872444611209306303331836074462501331499207578479102532202094043820185609
 3218996737210380133262664788028520556495848688427625165880470072625188551981222
 7983361013809724619210499907821313444939879491723147739
 SLimit: 10186.9386972344922840671223522
 BLimit: 1466294.02765918716658634094204
 delta 0.90
 Number of discriminants 367
 Estimation for 90 nodes takes 0.190 second. 1.02216506060923584113314713569
 Number of discriminants 385
 Estimation for 71 nodes takes 0.200 second. 1.38034446099816970194108669346
 Number of discriminants 775
 Estimation for 169 nodes takes 0.220 second. 1.99254540321368469864979935181
 delta 1.20
 The time of estimation is 0.610
 n1 2074257091530581004302128438740484099566148704535815381814094035054373235631
 1994022714834451349903644495392275892425233017407461105701842531207887730444444
 5046373513302507292005866968092705310829667022234841254833198905726623086647018
 9356816081291213855331630784911192837280374066069123043273223249235356909882912
 4675749767332364321809094762315506979392981070493173338989275178327272335889915
 5433228225308891378521409698101646483246919205423261637034109386364872261220498
 8845362367945796622694632182796784901059150564846021462166317
 SLimit: 10323.8116989117947223783099952
 BLimit: 1496713.15691644740022329109725
 delta 0.90
 Number of discriminants 371
 Estimation for 111 nodes takes 0.200 second. 1.20122604666749849290766537078
 Number of discriminants 390
 Estimation for 103 nodes takes 0.200 second. 1.76610485420470271523228302993
 delta 1.10
 The time of estimation is 0.400
 n1 8385202298216293246184794336251104372531742649793538332158664495162469207584
 5717711772832113631042339675092853353079459553017382070677352094235413996569327
 0180217066184355367753960324998859245984752111577247116771321447918152704707090
 0806433842092659885298389423965171753389820602447640686949858200901266225522921
 9039551562663922900013015341905577088861946535898946295213522680299378432451670
 2092580782757276769848573893795404990933807925950900649311906282620839030860717
 164241271001297410251455706531367152765669984704655449798321191
 SLimit: 10389.7035677595949477465783998
 BLimit: 1511434.98962503906302150439168
 delta 0.90
 Number of discriminants 372
 Estimation for 91 nodes takes 0.200 second. 1.02390395175947036883039176096
 Number of discriminants 393
 Estimation for 83 nodes takes 0.200 second. 1.41115750764211544460460746681

delta 1.10
The time of estimation is 0.400
n1 1690388187367761334675893390434438811975409356086707329179768647213049886684
6480060532546543369288209962938423194767575377679477992231629422675887274202789
1776483470843519212129570183561721089348720254626040294025966830166331435539295
1756594779949709873649482611866988926767387838756908479487432840374613045185450
5104511019780828888482341506947433209698301791022842864882484438571921228243008
7319796124434168982336206721616884911667457878437371418510614751017116824367744
76300706681816579159073645481067725714078494237407286531569
SLimit: 10271.0782605150032389286090685
BLimit: 1484967.61377307023622378618081
delta 0.90
Number of discriminants 368
Estimation for 157 nodes takes 0.210 second. 2.30600324941152260426540716715
delta 1.00
The time of estimation is 0.210
n1 1980230275128721655229328095295182472287873756789676712572245940979631088374
3804353257714208312910649667517287593496812752257067517556396511496822505852219
9480367744281148610328256362769873229688977724026587784053549909043445732353020
9887043524130755788752871756602591662469937635454408186237129475926275889183008
1479013656556167908471849657559654989044634712263986675334727404940132206176742
4549103544592734471626132008664765475665326875385125288581649611324280049500474
91778099379445790291616846247818791971054319540282122349
SLimit: 10197.1839354126225928399504680
BLimit: 1468563.38891517434604562333341
delta 0.90
Number of discriminants 368
Estimation for 133 nodes takes 0.220 second. 1.51789195994752485229018472398
delta 1.00
The time of estimation is 0.220
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 6.220
n1: 19802302751287216552293280952951824722878737567896767125722459409796310883
7438043532577142083129106496675172875934968127522570675175563965114968225058522
1994803677442811486103282563627698732296889777240265877840535499090434457323530
2098870435241307557887528717566025916624699376354544081862371294759262758891830
0814790136565561679084718496575596549890446347122639866753347274049401322061767
4245491035445927344716261320086647654756653268753851252885816496113242800495004
7491778099379445790291616846247818791971054319540282122349
SLimit: 10197.1839354126225928399504680 1.30
DLimit, delta: 1211.84297205338214811331747348 1.00
exponent: 1.00
BLimit: 1468563.38891517434604562333341 2
Number of discriminants 368
Filtering discriminants and reduction takes 1.750 seconds for 368 D-s, where
82 was succesful
On average that is 0.005
The time for 82 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.720 seconds for 82 D, that is 0.009 on
average
Time of Miller-Rabin test for 78 is 1.000 seconds, 0.013 on average
This resulted 3 new nodes
n1 8538316522259655606216068861255480152394994182502439227933803580241490221635
7358367774596582625385040485529182958712178156943032412321671312595495164133150
9797086548977283002482965722946916946884815654289219447391761004280069628139281
6433069642703329680190441632281697264348794711524339825094785158504613430503153
7604750683299248588466250464640175187143155951979043117217666296115787281388639

5104237316894974180101422638860932744510457676901277155015246186717929787846501
9601336007298304438000469426386528932021074951261
SLimit: 10037.1456315041656471880308580
BLimit: 1433254.86241476746634666857677
delta 0.90
Number of discriminants 362
Estimation for 163 nodes takes 0.190 second. 2.57589826083661657772652433544
delta 1.00
The time of estimation is 0.190
n1 2276480421132296892589669612643923628755475625509106169650329587005084831373
5856080016727063400793805964466161501296760285757715864255677448165069048668567
3423378204403982927407481079252473585412220627480698472834254869108156915510885
6433830499164553843743354321788082565930596587298782606763908230985880341282473
7160091731974763552558639675476192314431822742506242095104196742247585783386056
3010020934111330208549782502681386085623215780894577508333041805275780391408799
071595608032415886479267447242494160149766093
SLimit: 9922.50479870238173288456643602
BLimit: 1408147.60527948793290394427134
delta 0.90
Number of discriminants 358
Estimation for 113 nodes takes 0.180 second. 1.33998782301917650415886250993
Number of discriminants 377
Estimation for 110 nodes takes 0.190 second. 1.95634387008195962224253964215
delta 1.10
The time of estimation is 0.370
n1 2319490562210430233303458444710808942221970232905616745913247015736301180547
1023623557326580628544747102458359553604822049297577723247139348271796875906715
7233061481936606336074140526943223868869119485585793933777518678563542237758813
9044368011304158537195818089425724581419932247158288656293384337244049678733773
6255870456985917621551736777951317116422759922481392325477235814047138596446561
1478213785070995140893490985753285094940591209894134418595264079492374036398869
47166823965412156413569301457581016413974498459481
SLimit: 10048.0392465136490881511566465
BLimit: 1435648.72230183471041522526427
delta 0.90
Number of discriminants 362
Estimation for 176 nodes takes 0.210 second. 2.58876849722925372875727273927
delta 1.00
The time of estimation is 0.210
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 4.490
n1: 85383165222596556062160688612554801523949941825024392279338035802414902216
3573583677745965826253850404855291829587121781569430324123216713125954951641331
5097970865489772830024829657229469169468848156542892194473917610042800696281392
8164330696427033296801904416322816972643487947115243398250947851585046134305031
5376047506832992485884662504646401751871431559519790431172176662961157872813886
3951042373168949741801014226388609327445104576769012771550152461867179297878465
019601336007298304438000469426386528932021074951261
SLimit: 10037.1456315041656471880308580 1.30
DLimit, delta: 1197.18622712373677989671601278 1.00
exponent: 1.00
BLimit: 1433254.86241476746634666857677 2
Number of discriminants 362
Filtering discriminants and reduction takes 1.460 seconds for 362 D-s, where
138 was succesful
On average that is 0.004
The time for 138 trial divisions is 0.020 seconds, 0.000 on average

Batch trial division takes: 0.760 seconds for 138 D, that is 0.006 on average
Time of Miller-Rabin test for 133 is 1.350 seconds, 0.010 on average
This resulted 3 new nodes
n1 3452894096675693790931765149326868389030651157595615993179312350469706495323
4130689006226376021265383567425260012420000872267483181948265655368608526420717
8015644835400065918183017519794126879199618106716766195160045698916236504423844
0809232304554889065104513837343964404245369264598995753695183885080695018821722
3451053516417014246238310869169411726246883444818737147330456643869585089555246
7765451352140749963315808317378545354724957432907079765779795001686499367248856
1269056512846489927112891146560532290378959
SLimit: 9876.99781695053742420508706792
BLimit: 1398224.34049811216233716497754
delta 0.90
Number of discriminants 358
Estimation for 131 nodes takes 0.200 second. 1.81928546235355373113086776278
delta 1.00
The time of estimation is 0.200
n1 1653709382149908215794696019905654157922615580568848591442362206692740686683
4140989627337793668837515322203621245002968772225962238471948471682002034450643
5010756372389864869271733565288287714406729184484841452257014834854065194589189
4341817781598241702260148718998345900749073009957705450359764574969751082209394
5270948783217677656767511323528404384862544797032884472579745066212134261117132
4268183381762660288534623142275239434444048986477486466268828181767839810852315
42839931217017135263386558974889977896978771
SLimit: 9894.01026985429464010727970473
BLimit: 1401931.20554870842554985987836
delta 0.90
Number of discriminants 358
Estimation for 126 nodes takes 0.190 second. 1.69336164708778952679412578012
delta 1.00
The time of estimation is 0.190
n1 2134579130564913901554017215313870038098748545625609806983450895060372555408
9339591943649145656346260121382295739678044539235758103080417828148873791033287
7449271637244320750620741430736729236721203913572304861847940251070017407034820
4108267410675832420047610362092225379805120070754456354791358036984188603451776
2390349148008165670039187484259409486562959332677694357564267214655530576503782
7799439701000990956242098231512390620512594775004737404739660158930571878857921
7064246758593567580809693892159648727658882639143
SLimit: 10022.0388530125152671085726395
BLimit: 1429937.47919507907326266908951
delta 0.90
Number of discriminants 362
Estimation for 111 nodes takes 0.190 second. 1.32009352031879237216289451445
Number of discriminants 379
Estimation for 99 nodes takes 0.190 second. 1.94855494561524527456057984147
delta 1.10
The time of estimation is 0.380
Time of sorting a list with 100 element is 0.010 seconds.
Level completed in 4.610
n1: 34528940966756937909317651493268683890306511575956159931793123504697064953
2341306890062263760212653835674252600124200008722674831819482656553686085264207
1780156448354000659181830175197941268791996181067167661951600456989162365044238
4408092323045548890651045138373439644042453692645989957536951838850806950188217
2234510535164170142462383108691694117262468834448187371473304566438695850895552
4677654513521407499633158083173785453547249574329070797657797950016864993672488
561269056512846489927112891146560532290378959

SLimit: 9876.99781695053742420508706792 1.30
 DLimit, delta: 1182.46536545393673629125975161 1.00
 exponent: 1.00
 BLimit: 1398224.34049811216233716497754 2
 Number of discriminants 358
 Filtering discriminants and reduction takes 1.090 seconds for 358 D-s, where
 86 was succesful
 On average that is 0.003
 The time for 86 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.710 seconds for 86 D, that is 0.008 on
 average
 Time of Miller-Rabin test for 83 is 0.860 seconds, 0.010 on average
 This resulted 2 new nodes
 n1 2576786639310219246964003842781245066440784445966877606850233097365452608450
 3082603735989832851690584751809895531656717068856330732797213175648215318224416
 2698242414477661132972401134174721551641506049788631488925407237997191421211823
 9409874854145439600824192246354664916542374134779685420664322939066968505435220
 2877042596265627029997271220970233637050537295412127887112958089286864677257415
 5020953417608813377395919612182850123853115291432022173452969328081350072430651
 18105247231818855961658902486394236656881
 SLimit: 9823.84646926340958194275516531
 BLimit: 1386665.27747485056390506931242
 delta 0.90
 Number of discriminants 358
 Estimation for 136 nodes takes 0.200 second. 1.95927583351016842691128502204
 delta 1.00
 The time of estimation is 0.200
 n1 1174478033270004307865630547370094420141388226071822580036110235086134069006
 8452530466688667714930957235680948571283444572169286522902951029347475048578207
 4244553500193593667964853983768563581619737554919426618949201679207382362119120
 8008112861956142707513092762695599496624991844063553135995977391719207344594940
 7049027316391057105426231130983397875658030536211548189503810235064979254456401
 1112446781419269829968894490613727384230278566580103434068606165125889003662148
 6239417513462959975072239629707
 SLimit: 9566.39133037262963851253381764
 BLimit: 1331152.80464845089903619751630
 delta 0.90
 Number of discriminants 351
 Estimation for 81 nodes takes 0.180 second. 0.904379007430633002215887523754
 Number of discriminants 361
 Estimation for 86 nodes takes 0.180 second. 1.32682727584088073345534486305
 Number of discriminants 727
 Estimation for 161 nodes takes 0.210 second. 1.92008172723621187411450666560
 delta 1.20
 The time of estimation is 0.570
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.660
 n1: 25767866393102192469640038427812450664407844459668776068502330973654526084
 5030826037359898328516905847518098955316567170688563307327972131756482153182244
 1626982424144776611329724011341747215516415060497886314889254072379971914212118
 2394098748541454396008241922463546649165423741347796854206643229390669685054352
 2028770425962656270299972712209702336370505372954121278871129580892868646772574
 1550209534176088133773959196121828501238531152914320221734529693280813500724306
 5118105247231818855961658902486394236656881
 SLimit: 9823.84646926340958194275516531 1.30
 DLimit, delta: 1177.56752565398582492217244749 1.00
 exponent: 1.00

BLimit: 1386665.27747485056390506931242 2
 Number of discriminants 358
 Filtering discriminants and reduction takes 0.930 seconds for 358 D-s, where
 86 was succesful
 On average that is 0.003
 The time for 86 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.700 seconds for 86 D, that is 0.008 on
 average
 Time of Miller-Rabin test for 83 is 0.830 seconds, 0.010 on average
 This resulted 2 new nodes
 n1 1233075104324886562514477434714462324422165054316683737589381706562901420690
 1525083568925768595130545828927597870176500374621878646556776481319167181036546
 5821439776007578576392098255164185103698625296828017235254706955558337570517362
 0731673108097260499867007441857004583531877862121628255134620216684476194849225
 5405446706560098034695001809807897922727455858189130983686203704039641305764697
 1673904496422331877362041686610806109423455960536466690657716250447380728647633
 06846085333572356235008182549354071
 SLimit: 9666.31409063993664361345247181
 BLimit: 1352603.85090621121795862743919
 delta 0.90
 Number of discriminants 355
 Estimation for 103 nodes takes 0.180 second. 1.40957425610344184227876786698
 delta 1.00
 The time of estimation is 0.180
 n1 5105034609552810372902451179745470202199060227292656634420397059489281131898
 5253417973883976851477323115438204613844995916538216106850491874553179010417780
 2847015406470599803017709882783933463908173188897228132764489707852124839450155
 8006226506665503593483572276706103604884269198287359365617008460635617055883504
 9313700893307277335125202823754956638423692524869836753509360863842809235392307
 6793171650110159659762451615125894856323933510261670361511058716266141327927175
 3387038666928469442362118100303
 SLimit: 9582.23302057686843015765154583
 BLimit: 1334545.62966345651011640850202
 delta 0.90
 Number of discriminants 352
 Estimation for 87 nodes takes 0.180 second. 1.05872745668771829009796695691
 Number of discriminants 360
 Estimation for 78 nodes takes 0.180 second. 1.51452438925989379425567921280
 delta 1.10
 The time of estimation is 0.360
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 3.260
 n1 12330751043248865625144774347144623244221650543166837375893817065629014206
 9015250835689257685951305458289275978701765003746218786465567764813191671810365
 4658214397760075785763920982551641851036986252968280172352547069555583375705173
 6207316731080972604998670074418570045835318778621216282551346202166844761948492
 2554054467065600980346950018098078979227274558581891309836862037040396413057646
 9716739044964223318773620416866108061094234559605364666906577162504473807286476
 3306846085333572356235008182549354071
 SLimit: 9666.31409063993664361345247181 1.30
 DLimit, delta: 1163.01498309618144745319096562 1.00
 exponent: 1.00
 BLimit: 1352603.85090621121795862743919 2
 Number of discriminants 355
 Filtering discriminants and reduction takes 0.930 seconds for 355 D-s, where
 84 was succesful
 On average that is 0.003

The time for 84 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.680 seconds for 84 D, that is 0.008 on average
 Time of Miller-Rabin test for 80 is 0.520 seconds, 0.007 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.380
 n1: 51050346095528103729024511797454702021990602272926566344203970594892811318
 9852534179738839768514773231154382046138449959165382161068504918745531790104177
 8028470154064705998030177098827839334639081731888972281327644897078521248394501
 5580062265066655035934835722767061036048842691982873593656170084606356170558835
 0493137008933072773351252028237549566384236925248698367535093608638428092353923
 0767931716501101596597624516151258948563239335102616703615110587162661413279271
 753387038666928469442362118100303
 SLimit: 9582.23302057686843015765154583 1.30
 DLimit, delta: 2338.47852003694122572616424751 1.10
 exponent: 1.10
 BLimit: 1334545.62966345651011640850202 2
 Number of discriminants 711
 Filtering discriminants and reduction takes 1.580 seconds for 711 D-s, where
 62 was succesful
 On average that is 0.002
 The time for 62 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.700 seconds for 62 D, that is 0.011 on average
 Time of Miller-Rabin test for 61 is 0.390 seconds, 0.006 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.900
 n1: 12330751043248865625144774347144623244221650543166837375893817065629014206
 9015250835689257685951305458289275978701765003746218786465567764813191671810365
 4658214397760075785763920982551641851036986252968280172352547069555583375705173
 6207316731080972604998670074418570045835318778621216282551346202166844761948492
 2554054467065600980346950018098078979227274558581891309836862037040396413057646
 9716739044964223318773620416866108061094234559605364666906577162504473807286476
 3306846085333572356235008182549354071
 SLimit: 9666.31409063993664361345247181 1.30
 DLimit, delta: 2355.82941850164932058031593102 1.10
 exponent: 1.10
 BLimit: 1352603.85090621121795862743919 2
 Number of discriminants 363
 Filtering discriminants and reduction takes 1.240 seconds for 363 D-s, where
 26 was succesful
 On average that is 0.003
 The time for 26 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.650 seconds for 26 D, that is 0.025 on average
 Time of Miller-Rabin test for 26 is 0.170 seconds, 0.007 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.280
 n1: 51050346095528103729024511797454702021990602272926566344203970594892811318
 9852534179738839768514773231154382046138449959165382161068504918745531790104177
 8028470154064705998030177098827839334639081731888972281327644897078521248394501
 5580062265066655035934835722767061036048842691982873593656170084606356170558835
 0493137008933072773351252028237549566384236925248698367535093608638428092353923
 0767931716501101596597624516151258948563239335102616703615110587162661413279271

753387038666928469442362118100303
 SLimit: 9582.23302057686843015765154583 1.30
 DLimit, delta: 4733.69264872654192748888414298 1.20
 exponent: 1.20
 BLimit: 1334545.62966345651011640850202 2
 Number of discriminants 730
 Filtering discriminants and reduction takes 1.800 seconds for 730 D-s, where
 30 was succesful
 On average that is 0.003
 The time for 30 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.650 seconds for 30 D, that is 0.022 on
 average
 Time of Miller-Rabin test for 30 is 0.190 seconds, 0.006 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 2.870
 n1: 12330751043248865625144774347144623244221650543166837375893817065629014206
 9015250835689257685951305458289275978701765003746218786465567764813191671810365
 4658214397760075785763920982551641851036986252968280172352547069555583375705173
 6207316731080972604998670074418570045835318778621216282551346202166844761948492
 2554054467065600980346950018098078979227274558581891309836862037040396413057646
 9716739044964223318773620416866108061094234559605364666906577162504473807286476
 3306846085333572356235008182549354071
 SLimit: 9666.31409063993664361345247181 1.30
 DLimit, delta: 4772.02128067411085458443160512 1.20
 exponent: 1.20
 BLimit: 1352603.85090621121795862743919 2
 Number of discriminants 738
 Filtering discriminants and reduction takes 1.820 seconds for 738 D-s, where
 36 was succesful
 On average that is 0.003
 The time for 36 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.650 seconds for 36 D, that is 0.018 on
 average
 Time of Miller-Rabin test for 35 is 0.230 seconds, 0.007 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.930
 n1: 51050346095528103729024511797454702021990602272926566344203970594892811318
 9852534179738839768514773231154382046138449959165382161068504918745531790104177
 8028470154064705998030177098827839334639081731888972281327644897078521248394501
 5580062265066655035934835722767061036048842691982873593656170084606356170558835
 0493137008933072773351252028237549566384236925248698367535093608638428092353923
 0767931716501101596597624516151258948563239335102616703615110587162661413279271
 753387038666928469442362118100303
 SLimit: 9582.23302057686843015765154583 1.30
 DLimit, delta: 9582.23302057686843015765154594 1.30
 exponent: 1.30
 BLimit: 1334545.62966345651011640850202 2
 Number of discriminants 1473
 Filtering discriminants and reduction takes 3.360 seconds for 1473 D-s,
 where 44 was succesful
 On average that is 0.002
 The time for 44 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.650 seconds for 44 D, that is 0.015 on
 average
 Time of Miller-Rabin test for 41 is 0.390 seconds, 0.010 on average

This resulted 1 new nodes
n1 1450293923168412037756378176064054034715642110026322907505794619173091230652
9901539197126129787351512248704035401660510203561993212173435191634425855232323
9445174831383693125857303943972708370428458292300348901353548212457990011207430
6251768893939063561384224368075343385537699195149226762478476880327299976011324
1507362246662142610194342635869721898196429597617895512805276338316584465140720
1071303769290325872083569818164358752540655917178816069854347687990899818422577
0418104989486657057872448391
SLimit: 9494.26947290499814249846300012
BLimit: 1315744.67651341097523145149832
delta 0.90
Number of discriminants 350
Estimation for 129 nodes takes 0.180 second. 1.74176009720762104007468553560
delta 1.00
The time of estimation is 0.180
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 4.790
n1: 14502939231684120377563781760640540347156421100263229075057946191730912306
5299015391971261297873515122487040354016605102035619932121734351916344258552323
2394451748313836931258573039439727083704284582923003489013535482124579900112074
3062517688939390635613842243680753433855376991951492267624784768803272999760113
2415073622466621426101943426358697218981964295976178955128052763383165844651407
2010713037692903258720835698181643587525406559171788160698543476879908998184225
770418104989486657057872448391
SLimit: 9494.26947290499814249846300012 1.30
DLimit, delta: 1147.05914255255861032409193792 1.00
exponent: 1.00
BLimit: 1315744.67651341097523145149832 2
Number of discriminants 350
Filtering discriminants and reduction takes 1.020 seconds for 350 D-s, where
96 was succesful
On average that is 0.003
The time for 96 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 0.690 seconds for 96 D, that is 0.007 on
average
Time of Miller-Rabin test for 89 is 0.950 seconds, 0.011 on average
This resulted 3 new nodes
n1 6304310070804406201124887745444663873259676719755541919537638315365016129907
6286423690386918327268710220058576478215460267257238542275678082984533033246643
9374282025419447792883676206586053216843694760660161798205366760232603679264460
5698675467463592350922792117266743123213782258045688270879179802628454215944189
1098412073942144972711866898693502924329465460822873790895245280285100807116686
6673838795088044976932100744729663106514823697028381310557059428228939691935664
7568249779794710690783
SLimit: 9361.63897780621317011242063223
BLimit: 1287573.81770207623158957577163
delta 0.90
Number of discriminants 345
Estimation for 110 nodes takes 0.170 second. 1.42491965369812879484743744355
delta 1.00
The time of estimation is 0.170
n1 8662680987467414240451050098758764167874071996936558467851210195122233913394
2713289904025776032958776675375587907559316608560776473900959580562887607663210
3273918378147309354261139108633738249086172577600988787109366656142089416632504
5435625993402551094816969113431269612550943551589029035868911831854162242438558
4202767526377002667438595131500804175228187464540914049314389398948178439619657
2770368054540651437907279162133831496815895940936130705666411647351407127849086

667927593759809428619
 SLimit: 9340.35706380825076188116218534
 BLimit: 1283073.41276147294848242829193
 delta 0.90
 Number of discriminants 345
 Estimation for 70 nodes takes 0.160 second. 0.800702510435860983114026944662
 Number of discriminants 354
 Estimation for 65 nodes takes 0.160 second. 1.07764997410617149732393208895
 Number of discriminants 710
 Estimation for 132 nodes takes 0.180 second. 1.62804685376436484421375903933
 delta 1.20
 The time of estimation is 0.500
 n1 4279150371822377597600556401238206056029700461247083855841905987451622149860
 8529832017272844666903237771350950226337436168198468705608195395488700479558138
 7536254263924906175354445265925417340408113667492863827716630756010958338985871
 7080879892184498619206776974704652399382669073074479794027678211840327781713024
 1102617206037199460504848072997189893451237130868823637841010252892819749555823
 033574533283120323867772154190333084021768094277822672688549130380979892685813
 2085447250718086489637
 SLimit: 9357.48336417965709522435754077
 BLimit: 1286694.61271403488680269019644
 delta 0.90
 Number of discriminants 345
 Estimation for 94 nodes takes 0.160 second. 1.08173162339847708124911849252
 Number of discriminants 355
 Estimation for 82 nodes takes 0.160 second. 1.55457100708524178299670078720
 delta 1.10
 The time of estimation is 0.320
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.890
 n1: 63043100708044062011248877454446638732596767197555419195376383153650161299
 0762864236903869183272687102200585764782154602672572385422756780829845330332466
 4393742820254194477928836762065860532168436947606601617982053667602326036792644
 6056986754674635923509227921172667431232137822580456882708791798026284542159441
 8910984120739421449727118668986935029243294654608228737908952452802851008071166
 8666738387950880449769321007447296631065148236970283813105570594282289396919356
 647568249779794710690783
 SLimit: 9361.63897780621317011242063223 1.30
 DLimit, delta: 1134.71309929077501224167399159 1.00
 exponent: 1.00
 BLimit: 1287573.81770207623158957577163 2
 Number of discriminants 345
 Filtering discriminants and reduction takes 1.020 seconds for 345 D-s, where
 58 was successful
 On average that is 0.003
 The time for 58 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.360 seconds for 58 D, that is 0.006 on
 average
 Time of Miller-Rabin test for 54 is 0.460 seconds, 0.009 on average
 This resulted 1 new nodes
 n1 2695497397683586283940405716987080101051756973284001338659796505841329367059
 9416480747658507986304703493732642486850758602073507961337932443359214123136443
 8043320612080515589463235799573070808808903217855205599557723623581683415439256
 8880328293493980487880686792443366901373853251161802993630760425929906084523661
 1905870694503960885826229526828790746556580540033379773472083797198039575955209
 2456168439854771998619859481155913897027459756353418815132661743981596166467148
 14325358125519

SLimit: 9155.48761699670168992283090847
 BLimit: 1244212.56814719088999704979150
 delta 0.90
 Number of discriminants 340
 Estimation for 113 nodes takes 0.170 second. 1.58315694903377538336540160702
 delta 1.00
 The time of estimation is 0.170
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.250
 n1: 26954973976835862839404057169870801010517569732840013386597965058413293670
 5994164807476585079863047034937326424868507586020735079613379324433592141231364
 4380433206120805155894632357995730708088089032178552055995577236235816834154392
 5688803282934939804878806867924433669013738532511618029936307604259299060845236
 6119058706945039608858262295268287907465565805400333797734720837971980395759552
 0924561684398547719986198594811559138970274597563534188151326617439815961664671
 4814325358125519
 SLimit: 9155.48761699670168992283090847 1.30
 DLimit, delta: 1115.44276775959728753167922612 1.00
 exponent: 1.00
 BLimit: 1244212.56814719088999704979150 2
 Number of discriminants 340
 Filtering discriminants and reduction takes 0.930 seconds for 340 D-s, where
 56 was succesful
 On average that is 0.003
 The time for 56 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.360 seconds for 56 D, that is 0.006 on
 average
 Time of Miller-Rabin test for 54 is 0.430 seconds, 0.008 on average
 This resulted 1 new nodes
 n1 1071172070292316914616279493318661620192241683867430193395245789954430681552
 9890510549856345567598435659566302053270846686565533286177846305579086839586887
 5394738758575948016795118343495895250679106349489431568732206176912129794722324
 3077542648075532205348211603767905433487105314826187964859300091215665227529604
 7111836238459433053244368730815649937046972227707676003464681002726943729489660
 7184810063311866196143722906599803627652838807099204664253664749250159490481044
 9554377371
 SLimit: 9047.51108064088827931094420597
 BLimit: 1221709.30760535574480653109690
 delta 0.90
 Number of discriminants 336
 Estimation for 74 nodes takes 0.150 second. 0.824034760153725941192387145617
 Number of discriminants 343
 Estimation for 65 nodes takes 0.140 second. 1.18713886977365677567479146185
 Number of discriminants 688
 Estimation for 129 nodes takes 0.170 second. 1.69346750914440656764702053026
 delta 1.20
 The time of estimation is 0.460
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.380
 n1: 10711720702923169146162794933186616201922416838674301933952457899544306815
 5298905105498563455675984356595663020532708466865655332861778463055790868395868
 8753947387585759480167951183434958952506791063494894315687322061769121297947223
 2430775426480755322053482116037679054334871053148261879648593000912156652275296
 0471118362384594330532443687308156499370469722277076760034646810027269437294896
 6071848100633118661961437229065998036276528388070992046642536647492501594904810
 449554377371
 SLimit: 9047.51108064088827931094420597 1.30

DLimit, delta: 4489.32172009949756060559932179 1.20
 exponent: 1.20
 BLimit: 1221709.30760535574480653109690 2
 Number of discriminants 1365
 Filtering discriminants and reduction takes 2.200 seconds for 1365 D-s,
 where 72 was succesful
 On average that is 0.002
 The time for 72 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.360 seconds for 72 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 70 is 0.630 seconds, 0.009 on average
 This resulted 2 new nodes
 n1 6488019807948618501612837633668453181055370586719746780104456632068023510314
 8943128709002698774066842274780751382621724328077124689145041220951464806704346
 0900901021053591864295083849157451548631776798845739362399795135748817654284217
 4909416433698209019827033169213715703350050783667756740230246381810831733435567
 2490205003845516441311980163252910070649427166192606048480951738620685306588622
 1788958779708910180826665366220673887558526870203941443129334553628970949733995
 72761
 SLimit: 8944.30368605129220291519589863
 BLimit: 1200334.70708332455967968753917
 delta 0.90
 Number of discriminants 333
 Estimation for 133 nodes takes 0.160 second. 2.10468134605064974844078951950
 delta 1.00
 The time of estimation is 0.160
 n1 1481583828810526206427242120400167554172501247411351885604203467420392781479
 2061799023081256822487515283126962061600261091097005449274965318497772641751223
 9975726894844567979243894453343132323988322886211383442470954248007624151887774
 4400683839491876036654818126664036937494368310834073248532302709663293688737727
 5502766113622942667301141938535008384602156193048703533449215765853286295499087
 1672571212121253844427116052344017648050944767685670849654074069371399521561410
 487
 SLimit: 8879.80899002618795712958589197
 BLimit: 1187044.81062175600484696721974
 delta 0.90
 Number of discriminants 330
 Estimation for 87 nodes takes 0.150 second. 1.15518917286462698964505544816
 Number of discriminants 339
 Estimation for 94 nodes takes 0.150 second. 1.85484612713776971202035564456
 delta 1.10
 The time of estimation is 0.300
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 3.860
 n1: 64880198079486185016128376336684531810553705867197467801044566320680235103
 1489431287090026987740668422747807513826217243280771246891450412209514648067043
 4609009010210535918642950838491574515486317767988457393623997951357488176542842
 1749094164336982090198270331692137157033500507836677567402302463818108317334355
 6724902050038455164413119801632529100706494271661926060484809517386206853065886
 2217889587797089101808266653662206738875585268702039414431293345536289709497339
 9572761
 SLimit: 8944.30368605129220291519589863 1.30
 DLimit, delta: 1095.59787654199319358023788159 1.00
 exponent: 1.00
 BLimit: 1200334.70708332455967968753917 2
 Number of discriminants 333
 Filtering discriminants and reduction takes 0.780 seconds for 333 D-s, where

104 was succesful
On average that is 0.002
The time for 104 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 0.370 seconds for 104 D, that is 0.004 on average
Time of Miller-Rabin test for 100 is 0.790 seconds, 0.008 on average
This resulted 2 new nodes
n1 9316513222212260915584201082234998824031261612176546209225239276375679940142
0079162419590319893835212916112509165166175083396215808651696181722379102102737
0621626968773107214668414487589677697633223433150113960941693187462403294491983
7607360957038133679761168540285838450640239238858940547003942714954172367875083
3297746033832325740023009708830983512528956759702948630363963980624744006137953
4709923232890302565327166300797467062991776727155195601369153245650766051164344
1
SLimit: 8850.50832234755191211636823323
BLimit: 1181024.18719894234892284439850
delta 0.90
Number of discriminants 329
Estimation for 90 nodes takes 0.140 second. 1.01549443029169103253562573063
Number of discriminants 339
Estimation for 84 nodes takes 0.140 second. 1.54851097099212393170572864154
delta 1.10
The time of estimation is 0.280
n1 4029825967669949379883750083023883963388428935850774397580407846004983546779
4374614104970620356563256071292392163119083433588276204437913801833207954474749
1242795665250678176580797421836926427721600496177477864844593252017899164151687
8825496026997373583283737327884850014556490835337831612981838902705124555603654
2962113857372398546120378722131050558595639776142982975233064874573402111920302
7420526546500885276472169569338666594475368631748745234523509627909931075095708
9
SLimit: 8841.63656294696701887967836953
BLimit: 1179203.35579183362528054764660
delta 0.90
Number of discriminants 329
Estimation for 103 nodes takes 0.150 second. 1.55574085557030258798538640636
delta 1.00
The time of estimation is 0.150
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 2.600
n1: 40298259676699493798837500830238839633884289358507743975804078460049835467
7943746141049706203565632560712923921631190834335882762044379138018332079544747
4912427956652506781765807974218369264277216004961774778648445932520178991641516
8788254960269973735832837373278848500145564908353378316129818389027051245556036
5429621138573723985461203787221310505585956397761429829752330648745734021119203
0274205265465008852764721695693386665944753686317487452345235096279099310750957
089
SLimit: 8841.63656294696701887967836953 1.30
DLimit, delta: 1085.91130199102063921628979310 1.00
exponent: 1.00
BLimit: 1179203.35579183362528054764660 2
Number of discriminants 329
Filtering discriminants and reduction takes 0.660 seconds for 329 D-s, where
68 was succesful
On average that is 0.002
The time for 68 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.340 seconds for 68 D, that is 0.005 on average

Time of Miller-Rabin test for 65 is 0.580 seconds, 0.009 on average
This resulted 2 new nodes
n1 9948959307912478409785829114983048915907737158007096401877318469337078253991
9453435637503074574900027333149962135832819241052403911709452664691292320638807
8614481336256457663450925618656774293844217988340890914318215657370446029259814
5381775081603932389747082057275164650350430004726111966238844806559625722324861
1694567749373857642779514134158071477593277900110916073671925606632592557508159
06984303044131530738612950146436238724700072689168055560890610040626985827
SLimit: 8729.50570867410383467237299452
BLimit: 1156274.65204809862195008712373
delta 0.90
Number of discriminants 327
Estimation for 93 nodes takes 0.140 second. 1.17587636402924186316601845437
Number of discriminants 332
Estimation for 83 nodes takes 0.150 second. 1.76878187943779604188374654240
delta 1.10
The time of estimation is 0.290
n1 1514461149296507742149426133974280038782121162021010332569191678324388012513
9866630173977735472968710507946856868640960832376169364928510641574098273533411
2702041438408132525816680886731447947604869094477685176000882620262640060201543
2107648312607428314173602568319778546651738798623869747513491318892226146893586
4447789242007319165906988953895415955648609439898728861507391230748367311900616
555923300121483160929716337903355276495705124029274616194751589175693
SLimit: 8564.19946493125511135470880276
BLimit: 1122761.06590463525944530836666
delta 0.90
Number of discriminants 323
Estimation for 62 nodes takes 0.130 second. 0.644304501343956935671088826532
Number of discriminants 324
Estimation for 65 nodes takes 0.130 second. 0.949800628568196239889201208991
Number of discriminants 650
Estimation for 115 nodes takes 0.140 second. 1.36488931589832089543956991859
Number of discriminants 1310
Estimation for 200 nodes takes 0.180 second. 1.96705562199732521520400006553
delta 1.30
The time of estimation is 0.580
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 2.660
n1: 99489593079124784097858291149830489159077371580070964018773184693370782539
9194534356375030745749000273331499621358328192410524039117094526646912923206388
0786144813362564576634509256186567742938442179883408909143182156573704460292598
1453817750816039323897470820572751646503504300047261119662388448065596257223248
6116945677493738576427795141341580714775932779001109160736719256066325925575081
5906984303044131530738612950146436238724700072689168055560890610040626985827
SLimit: 8729.50570867410383467237299452 1.30
DLimit, delta: 2161.14324024106758650980586574 1.10
exponent: 1.10
BLimit: 1156274.65204809862195008712373 2
Number of discriminants 658
Filtering discriminants and reduction takes 1.370 seconds for 658 D-s, where
56 was succesful
On average that is 0.002
The time for 56 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.340 seconds for 56 D, that is 0.006 on
average
Time of Miller-Rabin test for 54 is 0.290 seconds, 0.005 on average
This resulted 0 new nodes

Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 2.200
n1: 99489593079124784097858291149830489159077371580070964018773184693370782539
9194534356375030745749000273331499621358328192410524039117094526646912923206388
0786144813362564576634509256186567742938442179883408909143182156573704460292598
1453817750816039323897470820572751646503504300047261119662388448065596257223248
6116945677493738576427795141341580714775932779001109160736719256066325925575081
59069843030441315307386129501464362387247000726891680555560890610040626985827
SLimit: 8729.50570867410383467237299452 1.30
DLimit, delta: 4343.46776814872309211893714706 1.20
exponent: 1.20
BLimit: 1156274.65204809862195008712373 2
Number of discriminants 662
Filtering discriminants and reduction takes 1.440 seconds for 662 D-s, where
26 was succesful
On average that is 0.002
The time for 26 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.320 seconds for 26 D, that is 0.012 on
average
Time of Miller-Rabin test for 25 is 0.140 seconds, 0.006 on average
This resulted 0 new nodes
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 2.100
n1: 15144611492965077421494261339742800387821211620210103325691916783243880125
1398666301739777354729687105079468568686409608323761693649285106415740982735334
1127020414384081325258166808867314479476048690944776851760008826202626400602015
4321076483126074283141736025683197785466517387986238697475134913188922261468935
8644477892420073191659069889538954159556486094398987288615073912307483673119006
16555923300121483160929716337903355276495705124029274616194751589175693
SLimit: 8564.19946493125511135470880276 1.30
DLimit, delta: 8564.19946493125511135470880287 1.30
exponent: 1.30
BLimit: 1122761.06590463525944530836666 2
Number of discriminants 2604
Filtering discriminants and reduction takes 4.600 seconds for 2604 D-s,
where 88 was succesful
On average that is 0.002
The time for 88 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.350 seconds for 88 D, that is 0.004 on
average
Time of Miller-Rabin test for 84 is 0.540 seconds, 0.006 on average
This resulted 1 new nodes
n1 6584613692593511922388809278149043646878787660960914489431268166627773967452
1159261625990154230298741338899377689743307966852910282297872354669992493623527
2617571471339706633985569072745425859151604758598631200003837479402782870450839
2575721220013421261784813194860592577032599532210032706341773513137577264844208
3190141761585349953033505439408317283189425117130172589592424755532593452989128
0341729248316478363067779636452666931697674454105282573064065811299
SLimit: 8531.26887488172964125689573384
BLimit: 1116126.13153253843691180005120
delta 0.90
Number of discriminants 322
Estimation for 150 nodes takes 0.150 second. 2.47731435843434097457436401872
delta 1.00
The time of estimation is 0.150
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 5.830

n1: 65846136925935119223888092781490436468787876609609144894312681666277739674
5211592616259901542302987413388993776897433079668529102822978723546699924936235
2726175714713397066339855690727454258591516047585986312000038374794027828704508
3925757212200134212617848131948605925770325995322100327063417735131375772648442
0831901417615853499530335054394083172831894251171301725895924247555325934529891
28034172924831647836306779636452666931697674454105282573064065811299
SLimit: 8531.26887488172964125689573384 1.30
DLimit, delta: 1056.46870825999311133605465637 1.00
exponent: 1.00
BLimit: 1116126.13153253843691180005120 2
Number of discriminants 322
Filtering discriminants and reduction takes 0.930 seconds for 322 D-s, where
114 was succesful
On average that is 0.003
The time for 114 trial divisions is 0.020 seconds, 0.000 on average
Batch trial division takes: 0.370 seconds for 114 D, that is 0.003 on
average
Time of Miller-Rabin test for 111 is 0.670 seconds, 0.006 on average
This resulted 1 new nodes
n1 3658118718107506623549338487860579803821548700533841383017371203682096648584
5088478681105641239054856299388543160968504426029394601276595752594440274235292
9231984150744281463325316151525236588417558199221461777779909710779323816894528
7960023697405037026045126206085716599880454519443754455119720352845180432906332
4006973707825363001188234932445720484731409436470537208504882622973452244111948
378555162052905860448569977488626441419663005789912125466190429517
SLimit: 8500.93864712009881443829799424
BLimit: 1110027.31114652582736351141807
delta 0.90
Number of discriminants 321
Estimation for 139 nodes takes 0.130 second. 1.98099094215584015972992084823
delta 1.00
The time of estimation is 0.130
Time of sorting a list with 100 element is 0.010 seconds.
Level completed in 2.320
n1: 36581187181075066235493384878605798038215487005338413830173712036820966485
8450884786811056412390548562993885431609685044260293946012765957525944402742352
9292319841507442814633253161515252365884175581992214617777799097107793238168945
2879600236974050370260451262060857165998804545194437544551197203528451804329063
3240069737078253630011882349324457204847314094364705372085048826229734522441119
48378555162052905860448569977488626441419663005789912125466190429517
SLimit: 8500.93864712009881443829799424 1.30
DLimit, delta: 1053.57833650209694664384693377 1.00
exponent: 1.00
BLimit: 1110027.31114652582736351141807 2
Number of discriminants 321
Filtering discriminants and reduction takes 1.170 seconds for 321 D-s, where
76 was succesful
On average that is 0.004
The time for 76 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.340 seconds for 76 D, that is 0.005 on
average
Time of Miller-Rabin test for 71 is 0.570 seconds, 0.008 on average
This resulted 2 new nodes
n1 3074049342947484557604486124252588070438276218936001162199471599732854326541
6040738387483732133659543108729868202494541534478482858215626682852470818685120
1035280798944774338928837102122047553292065713631480485529335891411196484778387
747549462324436555052053639745149184538397591669494412602357167488479302880146

4918735943528166935323028109577157273476773742067307294863879040453883607187221
 867251174883683418953239436262132313388785124523288148974582677
 SLimit: 8426.73202354177945278868404054
 BLimit: 1095155.19223954089126662174842
 delta 0.90
 Number of discriminants 318
 Estimation for 80 nodes takes 0.130 second. 1.04008039707358865987415060007
 Number of discriminants 322
 Estimation for 74 nodes takes 0.130 second. 1.46592397712096531885643671857
 delta 1.10
 The time of estimation is 0.260
 n1 2286324198817191639718336554912862377388467937833650864385857002301310405365
 3180299175691025774409285187117839475605315266268371625797872345371525171397058
 0769990094215175914578322594703272867760973874513413611112443569237077385621962
 3447788066018927638326068371774253636852118248449879318574328078798894890622014
 1540869610961302509671297309947506914706726415280094182360496544792567583667578
 34766531794732905607774589121673304412869240547501387132173682197
 SLimit: 8471.86782711536644167271272266
 BLimit: 1104192.71956718479210406007295
 delta 0.90
 Number of discriminants 320
 Estimation for 107 nodes takes 0.130 second. 1.60097223848538803536708248940
 delta 1.00
 The time of estimation is 0.130
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 2.670
 n1: 22863241988171916397183365549128623773884679378336508643858570023013104053
 6531802991756910257744092851871178394756053152662683716257978723453715251713970
 5807699900942151759145783225947032728677609738745134136111124435692370773856219
 6234477880660189276383260683717742536368521182484498793185743280787988948906220
 1415408696109613025096712973099475069147067264152800941823604965447925675836675
 7834766531794732905607774589121673304412869240547501387132173682197
 SLimit: 8471.86782711536644167271272266 1.30
 DLimit, delta: 1050.80574777985716540617800529 1.00
 exponent: 1.00
 BLimit: 1104192.71956718479210406007295 2
 Number of discriminants 320
 Filtering discriminants and reduction takes 0.990 seconds for 320 D-s, where
 74 was succesful
 On average that is 0.003
 The time for 74 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.340 seconds for 74 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 73 is 0.370 seconds, 0.005 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.890
 n1: 30740493429474845576044861242525880704382762189360011621994715997328543265
 4160407383874837321336595431087298682024945415344784828582156266828524708186851
 2010352807989447743389288371021220475532920657136314804855293358914111964847783
 877475494623244365550520536397451491845383975916694944126023571674884793028801
 4649187359435281669353230281095771572734767737420673072948638790404538836071872
 21867251174883683418953239436262132313388785124523288148974582677
 SLimit: 8426.73202354177945278868404054 1.30
 DLimit, delta: 2097.54659281614940097626811077 1.10
 exponent: 1.10
 BLimit: 1095155.19223954089126662174842 2

Number of discriminants 639
 Filtering discriminants and reduction takes 1.550 seconds for 639 D-s, where
 56 was succesful
 On average that is 0.002
 The time for 56 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.330 seconds for 56 D, that is 0.006 on
 average
 Time of Miller-Rabin test for 52 is 0.360 seconds, 0.007 on average
 This resulted 1 new nodes
 n1 2696534511357442594389900108993498307401996683277194001929361052397240637317
 1965559989020817661104862376078831756574159240770598998434760248116202472530807
 1083579648197170472744593949229866274817601503185509197832750781939646037095769
 9842217391843205554873497309787604338724716153267274149199701350166014256199856
 9323465675709077531838478453774714613838990032630605921641758782805088763863727
 193847179964251053184348155424721750429531547324442336908307
 SLimit: 8353.12432517895097391028623497
 BLimit: 1080472.61023189603708969834478
 delta 0.90
 Number of discriminants 317
 Estimation for 95 nodes takes 0.130 second. 1.39840592564272769035082467632
 Number of discriminants 318
 Estimation for 81 nodes takes 0.140 second. 1.92014086195617330316384883220
 delta 1.10
 The time of estimation is 0.270
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.710
 n1: 26965345113574425943899001089934983074019966832771940019293610523972406373
 1719655599890208176611048623760788317565741592407705989984347602481162024725308
 0710835796481971704727445939492298662748176015031855091978327507819396460370957
 6998422173918432055548734973097876043387247161532672741491997013501660142561998
 5693234656757090775318384784537747146138389900326306059216417587828050887638637
 27193847179964251053184348155424721750429531547324442336908307
 SLimit: 8353.12432517895097391028623497 1.30
 DLimit, delta: 2082.03281012384068632596491523 1.10
 exponent: 1.10
 BLimit: 1080472.61023189603708969834478 2
 Number of discriminants 634
 Filtering discriminants and reduction takes 1.200 seconds for 634 D-s, where
 74 was succesful
 On average that is 0.002
 The time for 74 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.350 seconds for 74 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 70 is 0.450 seconds, 0.006 on average
 This resulted 1 new nodes
 n1 6741336278393606485974750272483745768504991708192985004823402630993101593292
 9913899972552044152762155940197079391435398101926497496086900620290506181327017
 7708949120492926181861484873074665687044003757963772994581876954849115123763566
 7310087206283406123829365312023975315919937625424183130897407475038364581708867
 2527389204474359267464301744947399168587228831050065742834700765563850915435546
 12952965801724198489062349206257865125155328744388422121993
 SLimit: 8338.64481212734426531412627379
 BLimit: 1077592.54294739501245608971127
 delta 0.90
 Number of discriminants 316
 Estimation for 137 nodes takes 0.140 second. 2.11609676897499029754434737522
 delta 1.00

The time of estimation is 0.140
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.320
 n1: 67413362783936064859747502724837457685049917081929850048234026309931015932
 9299138999725520441527621559401970793914353981019264974960869006202905061813270
 1777089491204929261818614848730746656870440037579637729945818769548491151237635
 6673100872062834061238293653120239753159199376254241831308974074750383645817088
 6725273892044743592674643017449473991685872288310500657428347007655638509154355
 4612952965801724198489062349206257865125155328744388422121993
 SLimit: 8338.64481212734426531412627379 1.30
 DLimit, delta: 1038.07155001348293981080009447 1.00
 exponent: 1.00
 BLimit: 1077592.54294739501245608971127 2
 Number of discriminants 316
 Filtering discriminants and reduction takes 0.750 seconds for 316 D-s, where
 84 was succesful
 On average that is 0.002
 The time for 84 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.350 seconds for 84 D, that is 0.004 on
 average
 Time of Miller-Rabin test for 81 is 0.500 seconds, 0.006 on average
 This resulted 1 new nodes
 n1 9492540227428857355647294278687058583702246368757125041290564301314472540867
 5523535104949285740302568870917298050944557236734900131358178892283145746843043
 3344244944172575350565053075979714332646181147614624336895677321619431074848110
 6265865395107826325779552869526924731399555561928178534624045818622324747607575
 8404875364599914062479799198635969210306259983552421620651237093136178704990532
 65828436640626448611015799910872683521895020246873899
 SLimit: 8198.22273565599683191900405276
 BLimit: 1049801.65083048036191741483217
 delta 0.90
 Number of discriminants 312
 Estimation for 84 nodes takes 0.130 second. 1.19094913592310747309894614324
 Number of discriminants 314
 Estimation for 79 nodes takes 0.130 second. 1.68478424556220123758035974386
 delta 1.10
 The time of estimation is 0.260
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.040
 n1: 94925402274288573556472942786870585837022463687571250412905643013144725408
 6755235351049492857403025688709172980509445572367349001313581788922831457468430
 4333442449441725753505650530759797143326461811476146243368956773216194310748481
 1062658653951078263257795528695269247313995555619281785346240458186223247476075
 7584048753645999140624797991986359692103062599835524216206512370931361787049905
 3265828436640626448611015799910872683521895020246873899
 SLimit: 8198.22273565599683191900405276 1.30
 DLimit, delta: 2049.31627103332788840648086053 1.10
 exponent: 1.10
 BLimit: 1049801.65083048036191741483217 2
 Number of discriminants 625
 Filtering discriminants and reduction takes 1.150 seconds for 625 D-s, where
 70 was succesful
 On average that is 0.002
 The time for 70 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.320 seconds for 70 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 67 is 0.420 seconds, 0.006 on average

This resulted 1 new nodes
 n1 1050059759671333778279567951182196745984761766455434185983469502357795635051
 7203930874441292670387452308729789607405371375745011076477674656226011697659628
 6874363378780152140549231534953508222637851896860024816028282889559674317850359
 7839354565634377900413728192666471741992495943040057802814051047885715123465861
 1103991040773883860149258897611582874924265622176830620308812338372270726482341
 823010977491377171016477977258392706057212788751601
 SLimit: 8127.48997076959983138099401573
 BLimit: 1035899.45234394837166688420969
 delta 0.90
 Number of discriminants 310
 Estimation for 100 nodes takes 0.130 second. 1.47614203564679100066267064459
 delta 1.00
 The time of estimation is 0.130
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.200
 n1: 10500597596713337782795679511821967459847617664554341859834695023577956350
 5172039308744412926703874523087297896074053713757450110764776746562260116976596
 2868743633787801521405492315349535082226378518968600248160282828895596743178503
 5978393545656343779004137281926664717419924959430400578028140510478857151234658
 6111039910407738838601492588976115828749242656221768306203088123383722707264823
 41823010977491377171016477977258392706057212788751601
 SLimit: 8127.48997076959983138099401573 1.30
 DLimit, delta: 1017.79145817989078448058831878 1.00
 exponent: 1.00
 BLimit: 1035899.45234394837166688420969 2
 Number of discriminants 310
 Filtering discriminants and reduction takes 0.610 seconds for 310 D-s, where
 70 was succesful
 On average that is 0.002
 The time for 70 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.320 seconds for 70 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 64 is 0.580 seconds, 0.009 on average
 This resulted 3 new nodes
 n1 9812312907795988191128940014504546075389426353021638992692294056952988941234
 3223870358141117982959807397406796344470808869312206069996819648047803780418809
 4831666538461163118542174517971940462627512130225575188673337627685914202633773
 7911626017082464652561608102335584962977603581221470398389572638670869804664352
 8083318112164564907906780021378690653691517085302535030193068390369360095538311
 57364532258657868880212054061083521108946019
 SLimit: 7983.66262008890705166912009677
 BLimit: 1007831.58060076464735054501801
 delta 0.90
 Number of discriminants 305
 Estimation for 93 nodes takes 0.130 second. 1.51297664347298243874679136172
 delta 1.00
 The time of estimation is 0.130
 n1 3664990615265715120365640368943020129372954978171630419587769618390768501483
 6098490055496292358815850666518410320184577186225763405433003268727338812099744
 5033900555895612140931572009838048823405503584191822426400820665319585792749943
 454157869997882397773374999587912225620021651335066695850883137920353074113199
 6319810151050901339854051602740366022446277287137697727114601887061992353243858
 30652485431602164688827392054879935288631541
 SLimit: 7973.48277754224067712673834312
 BLimit: 1005855.22837814670358264613733
 delta 0.90

Number of discriminants 304
 Estimation for 104 nodes takes 0.120 second. 1.61629731585548182028245301568
 delta 1.00
 The time of estimation is 0.120
 n1 2990941550846911753103474852404570884085569575183531348933204689409239019743
 9910934472032849123810676508857780583927798153540535138651232357941243299702713
 5907381163211097586160509100357491804255018505354975549812814428501454118114329
 4222625130058101464636799572727475176184556394631864025517173754212663157111632
 3166609859744941410144818438712851838435243860228392692500837574052591778694536
 7590882994601767771242898368883267536090862929
 SLimit: 8019.00805545166428822203844369
 BLimit: 1014704.20738971857974934854022
 delta 0.90
 Number of discriminants 306
 Estimation for 126 nodes takes 0.140 second. 2.52921094117370362009273851317
 delta 1.00
 The time of estimation is 0.140
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.080
 n1: 36649906152657151203656403689430201293729549781716304195877696183907685014
 8360984900554962923588158506665184103201845771862257634054330032687273388120997
 4450339005558956121409315720098380488234055035841918224264008206653195857927499
 4345415786999788239777733749995879122256200216513350666958508831379203530741131
 9963198101510509013398540516027403660224462772871376977271146018870619923532438
 5830652485431602164688827392054879935288631541
 SLimit: 7973.48277754224067712673834312 1.30
 DLimit, delta: 1002.92334122710829627160305520 1.00
 exponent: 1.00
 BLimit: 1005855.22837814670358264613733 2
 Number of discriminants 304
 Filtering discriminants and reduction takes 0.900 seconds for 304 D-s, where
 78 was succesful
 On average that is 0.003
 The time for 78 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.320 seconds for 78 D, that is 0.004 on
 average
 Time of Miller-Rabin test for 75 is 0.430 seconds, 0.006 on average
 This resulted 1 new nodes
 n1 9813834208611896192572395605755500827143541625482055082629267119971735285761
 0001219851994930957734534613584738578962746526290802741381786758967835878264080
 9224065285850710021159569764257305262586351142007407994803128156061125440543603
 2630338137386270672984685107087265723372876959311697906990862828702140622832881
 2086179159376685664808787836361488924203628001401932196270662552130383992221787
 052127622772638334479901847434638247
 SLimit: 7793.75104802536874376723348214
 BLimit: 971185.864453500927091927695010
 delta 0.90
 Number of discriminants 300
 Estimation for 77 nodes takes 0.120 second. 1.13231088816831911667776296224
 Number of discriminants 300
 Estimation for 70 nodes takes 0.120 second. 1.62075218347159755946790621322
 delta 1.10
 The time of estimation is 0.240
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.080
 n1: 98138342086118961925723956057555008271435416254820550826292671199717352857
 6100012198519949309577345346135847385789627465262908027413817867589678358782640

8092240652858507100211595697642573052625863511420074079948031281560611254405436
 0326303381373862706729846851070872657233728769593116979069908628287021406228328
 8120861791593766856648087878363614889242036280014019321962706625521303839922217
 87052127622772638334479901847434638247
 SLimit: 7793.75104802536874376723348214 1.30
 DLimit, delta: 1963.43394000664041739135115485 1.10
 exponent: 1.10
 BLimit: 971185.864453500927091927695010 2
 Number of discriminants 599
 Filtering discriminants and reduction takes 1.060 seconds for 599 D-s, where
 68 was successful
 On average that is 0.002
 The time for 68 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.310 seconds for 68 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 62 is 0.530 seconds, 0.009 on average
 This resulted 3 new nodes
 n1 3638197570964178011692697088708978138987701552092297405480620587479011718412
 3192629708714965336716734291271566185975592644848531699409436028687837774672646
 0020695623653618025493604228394474644361977910202179542857212247739880809793630
 0719249875163883701824910010815378968992173547007417516475185481565488138950075
 7401759444690903809744855619592847417030542708621560293783829066426674064254714
 780057752198646383198659814039
 SLimit: 7641.85506926142154470277901477
 BLimit: 942219.298466266164359491911272
 delta 0.90
 Number of discriminants 296
 Estimation for 70 nodes takes 0.110 second. 1.02558503401041631270424344778
 Number of discriminants 295
 Estimation for 39 nodes takes 0.110 second. 1.25978651483053135128253672607
 Number of discriminants 580
 Estimation for 111 nodes takes 0.120 second. 1.80909939826675152908352178402
 delta 1.20
 The time of estimation is 0.340
 n1 6896595149962997949097851650956046166747745515613915617973380913643342386358
 5096258004756813231324124094137049184898314280557726222459911552145110550664605
 0008584196488615240341033582120907677659440702972253627240927619151121399086351
 0910873971421338564320776056882683404883325963786602434793118990531671984369793
 9879514729386453879802218810401631191419399218121815762924878763211565144155729
 831448539182044681903676562229
 SLimit: 7648.40107528646697580333620996
 BLimit: 943461.283538189538649199578211
 delta 0.90
 Number of discriminants 297
 Estimation for 80 nodes takes 0.100 second. 1.27925741474756653612103429515
 Number of discriminants 294
 Estimation for 74 nodes takes 0.110 second. 1.85471829706293374741291640178
 delta 1.10
 The time of estimation is 0.210
 n1 490691710430594809628619780287750413571770812741027541314633559985867642880
 5000609925997465478867267306792369289481373263145401370690893379483917939132040
 4612032642925355010579784882128652631293175571003703997401467901327429129884696
 9412759501593980661206655160347930096348569100380726749743822403083934392031363
 851757808072265902998206826083861449594681303894147342110618769232107202197293
 343249560994034538603796897609119483
 SLimit: 7786.62549892795771198177817173
 BLimit: 969820.168965207960233218190924

delta 0.90
 Number of discriminants 300
 Estimation for 93 nodes takes 0.120 second. 1.37572057678116935043068630944
 Number of discriminants 299
 Estimation for 98 nodes takes 0.130 second. 2.16111862833346100250925879627
 delta 1.10
 The time of estimation is 0.250
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.880
 n1: 68965951499629979490978516509560461667477455156139156179733809136433423863
 5850962580047568132313241240941370491848983142805577262224599115521451105506646
 0500085841964886152403410335821209076776594407029722536272409276191511213990863
 5109108739714213385643207760568826834048833259637866024347931189905316719843697
 9398795147293864538798022188104016311914193992181218157629248787632115651441557
 29831448539182044681903676562229
 SLimit: 7648.40107528646697580333620996 1.30
 DLimit, delta: 1932.40541406475950921405615273 1.10
 exponent: 1.10
 BLimit: 943461.283538189538649199578211 2
 Number of discriminants 590
 Filtering discriminants and reduction takes 1.180 seconds for 590 D-s, where
 72 was succesful
 On average that is 0.002
 The time for 72 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.320 seconds for 72 D, that is 0.004 on
 average
 Time of Miller-Rabin test for 69 is 0.520 seconds, 0.008 on average
 This resulted 3 new nodes
 n1 1645677241445693285351317331942321479259575178400920157414776835885820361739
 2517520612025511113573493359310936771176300388978720726567584395921562576579147
 5471777560514349021107413406995613506682813812683591329993670281721853748088395
 0216420516666438046860748503171051691093483161432407594791468165008554140415291
 3401041295829065035842812633136649275103692017318929175844650731364291932675429
 406372687389
 SLimit: 7212.40261235470451922985486859
 BLimit: 862000.730493066859698162576496
 delta 0.90
 Number of discriminants 284
 Estimation for 107 nodes takes 0.110 second. 2.00288555855233406318727629079
 delta 1.00
 The time of estimation is 0.110
 n1 1724148787490749487274462912739011541686936378903478904493345228410835596589
 6274064501189203307831031023534262296224578570139431555614977888036277637666151
 2502146049122153810085258395530226919414860175743063406841976474904176520086641
 7871174355479828908147657447580639135470495739238953582987461297389737614758330
 2630396840276801651867867515683204774278461846246443223470166012358974626834450
 713156034631914839863638766167
 SLimit: 7634.21329661419762730513843502
 BLimit: 940770.136269241731636224836426
 delta 0.90
 Number of discriminants 296
 Estimation for 62 nodes takes 0.100 second. 0.784550896027430103778065110549
 Number of discriminants 294
 Estimation for 58 nodes takes 0.110 second. 1.13571249530704272039617583405
 Number of discriminants 580
 Estimation for 118 nodes takes 0.130 second. 1.74504560669414455659448030039
 delta 1.20

The time of estimation is 0.340
n1 1407468397951632234509765643052254319744437860329370534280281819110886201297
6550256735664655761494719202885112078550676383787291065808145214723491949115225
5103792693160941885783884404514470954624375653667806862717944094220027540966483
1362594374942044540985929611779065051775842410890686231702635906400093629882230
1232351293252269384069924168688391431856913677563917118925345061977357591656701
22848231164148867500047456551
SLimit: 7608.58637920032610261302093975
BLimit: 935916.029063426056927006588721
delta 0.90
Number of discriminants 296
Estimation for 75 nodes takes 0.100 second. 0.951952134429824127088486183038
Number of discriminants 291
Estimation for 61 nodes takes 0.120 second. 1.44257429091685476242381753798
delta 1.10
The time of estimation is 0.220
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 2.850
n1: 16456772414456932853513173319423214792595751784009201574147768358858203617
3925175206120255111135734933593109367711763003889787207265675843959215625765791
4754717775605143490211074134069956135066828138126835913299936702817218537480883
9502164205166664380468607485031710516910934831614324075947914681650085541404152
9134010412958290650358428126331366492751036920173189291758446507313642919326754
29406372687389
SLimit: 7212.40261235470451922985486859 1.30
DLimit, delta: 928.439944473021291872817911597 1.00
exponent: 1.00
BLimit: 862000.730493066859698162576496 2
Number of discriminants 284
Filtering discriminants and reduction takes 0.730 seconds for 284 D-s, where
86 was succesful
On average that is 0.003
The time for 86 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.310 seconds for 86 D, that is 0.004 on
average
Time of Miller-Rabin test for 82 is 0.370 seconds, 0.005 on average
This resulted 1 new nodes
n1 1412652697193404090751972524871870643146442738239319142700659349122247579347
5519134294216295238191102190336361164147936522965942383753170031540707481208333
5168394884434058001895945625490334508529759029787943022582177812312331987471410
6503470870033062161815222284359863637752758375628781984304327824298320252554810
62493208559820021264926206865972899456523208939130999617523057946441818845519
SLimit: 6887.03978612430810573233903131
BLimit: 802907.520867291689949586573600
delta 0.90
Number of discriminants 274
Estimation for 73 nodes takes 0.100 second. 1.09249094510458393127906859237
Number of discriminants 267
Estimation for 68 nodes takes 0.090 second. 1.67883189726626335630764146394
delta 1.10
The time of estimation is 0.190
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 1.750
n1: 14126526971934040907519725248718706431464427382393191427006593491222475793
4755191342942162952381911021903363611641479365229659423837531700315407074812083
3351683948844340580018959456254903345085297590297879430225821778123123319874714
1065034708700330621618152222843598636377527583756287819843043278242983202525548

1062493208559820021264926206865972899456523208939130999617523057946441818845519
 SLimit: 6887.03978612430810573233903131 1.30
 DLimit, delta: 1768.34109317098324859774421659 1.10
 exponent: 1.10
 BLimit: 802907.520867291689949586573600 2
 Number of discriminants 540
 Filtering discriminants and reduction takes 0.790 seconds for 540 D-s, where
 64 was succesful
 On average that is 0.002
 The time for 64 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.200 seconds for 64 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 60 is 0.200 seconds, 0.003 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.330
 n1: 14126526971934040907519725248718706431464427382393191427006593491222475793
 4755191342942162952381911021903363611641479365229659423837531700315407074812083
 3351683948844340580018959456254903345085297590297879430225821778123123319874714
 1065034708700330621618152222843598636377527583756287819843043278242983202525548
 1062493208559820021264926206865972899456523208939130999617523057946441818845519
 SLimit: 6887.03978612430810573233903131 1.30
 DLimit, delta: 3489.79017479663290793286354635 1.20
 exponent: 1.20
 BLimit: 802907.520867291689949586573600 2
 Number of discriminants 520
 Filtering discriminants and reduction takes 0.810 seconds for 520 D-s, where
 22 was succesful
 On average that is 0.002
 The time for 22 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.170 seconds for 22 D, that is 0.008 on
 average
 Time of Miller-Rabin test for 21 is 0.080 seconds, 0.004 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.190
 n1: 14126526971934040907519725248718706431464427382393191427006593491222475793
 4755191342942162952381911021903363611641479365229659423837531700315407074812083
 3351683948844340580018959456254903345085297590297879430225821778123123319874714
 1065034708700330621618152222843598636377527583756287819843043278242983202525548
 1062493208559820021264926206865972899456523208939130999617523057946441818845519
 SLimit: 6887.03978612430810573233903131 1.30
 DLimit, delta: 6887.03978612430810573233903139 1.30
 exponent: 1.30
 BLimit: 802907.520867291689949586573600 2
 Number of discriminants 1032
 Filtering discriminants and reduction takes 1.470 seconds for 1032 D-s,
 where 30 was succesful
 On average that is 0.001
 The time for 30 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.180 seconds for 30 D, that is 0.006 on
 average
 Time of Miller-Rabin test for 30 is 0.110 seconds, 0.004 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.900
 n1: 14126526971934040907519725248718706431464427382393191427006593491222475793

4755191342942162952381911021903363611641479365229659423837531700315407074812083
 3351683948844340580018959456254903345085297590297879430225821778123123319874714
 1065034708700330621618152222843598636377527583756287819843043278242983202525548
 1062493208559820021264926206865972899456523208939130999617523057946441818845519
 SLimit: 6887.03978612430810573233903131 1.30
 DLimit, delta: 13591.4523910948914530551041916 1.40
 exponent: 1.40
 BLimit: 802907.520867291689949586573600 2
 Number of discriminants 2045
 Filtering discriminants and reduction takes 1.350 seconds for 2045 D-s,
 where 36 was succesful
 On average that is 0.001
 The time for 36 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.180 seconds for 36 D, that is 0.005 on
 average
 Time of Miller-Rabin test for 34 is 0.260 seconds, 0.008 on average
 This resulted 2 new nodes
 n1 8468926331085302668704617446338856415549271449684846428627646585882062107919
 4135175686003507549484870533605913258867710395901503651517953589747685394931290
 3646019091398089339359952039453267569782926137299682239536890909298984286272974
 1882650369119802844902719615659083375927898284087573472485799750596907036939259
 62321298101437753581124639910442226741685208982446145934013
 SLimit: 6493.46751063714754167332841820
 BLimit: 733413.206586026805200980671995
 delta 0.90
 Number of discriminants 263
 Estimation for 64 nodes takes 0.080 second. 1.13740463391438103541740453124
 Number of discriminants 250
 Estimation for 61 nodes takes 0.090 second. 1.57950137093323344507650229754
 delta 1.10
 The time of estimation is 0.170
 n1 1765815871491755113439965656089838303933053422799148928375824186402809474184
 4398917867770369047738877737920451455184920653707427979691462539425884351510416
 8960493605542572502369932031862918135662931177437308762682559496874897942750295
 9372239386136583123901105169676092787520582018694780312852113365930108659125676
 5970813327178435954319027419928493589558555872534671427152388408662442502757
 SLimit: 6866.26968503116611996008957161
 BLimit: 799185.273305666648747093568568
 delta 0.90
 Number of discriminants 273
 Estimation for 73 nodes takes 0.090 second. 1.25165586803981212188902982336
 Number of discriminants 266
 Estimation for 64 nodes takes 0.100 second. 1.74983362390992004808561654489
 delta 1.10
 The time of estimation is 0.190
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 2.290
 n1: 84689263310853026687046174463388564155492714496848464286276465858820621079
 1941351756860035075494848705336059132588677103959015036515179535897476853949312
 9036460190913980893393599520394532675697829261372996822395368909092989842862729
 7418826503691198028449027196156590833759278982840875734724857997505969070369392
 5962321298101437753581124639910442226741685208982446145934013
 SLimit: 6493.46751063714754167332841820 1.30
 DLimit, delta: 1682.44857764954402207791372625 1.10
 exponent: 1.10
 BLimit: 733413.206586026805200980671995 2
 Number of discriminants 512

Filtering discriminants and reduction takes 0.890 seconds for 512 D-s, where
 58 was succesful
 On average that is 0.002
 The time for 58 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.180 seconds for 58 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 54 is 0.250 seconds, 0.005 on average
 This resulted 1 new nodes
 n1 6409453538879590430694668086213051222755817637907639514959795133254872867787
 6283510620458896003448731140880479384120787271422552066586509522876162585336225
 1665397044010669149561235099689431477912612881633856895112595326225872596555002
 6450676575479412363273450086018499929508036745910815625563742460761790442738994
 92732742926785944632007584986073588121916105562588203
 SLimit: 6354.88556382479348898107963527
 BLimit: 709471.535504138094745007240919
 delta 0.90
 Number of discriminants 259
 Estimation for 62 nodes takes 0.080 second. 0.984321129495898464069778189238
 Number of discriminants 246
 Estimation for 41 nodes takes 0.070 second. 1.33464070698170677040355416464
 Number of discriminants 482
 Estimation for 94 nodes takes 0.090 second. 1.88753116439938524797923869824
 delta 1.20
 The time of estimation is 0.240
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.680
 n1: 64094535388795904306946680862130512227558176379076395149597951332548728677
 8762835106204588960034487311408804793841207872714225520665865095228761625853362
 2516653970440106691495612350996894314779126128816338568951125953262258725965550
 0264506765754794123632734500860184999295080367459108156255637424607617904427389
 9492732742926785944632007584986073588121916105562588203
 SLimit: 6354.88556382479348898107963527 1.30
 DLimit, delta: 3240.11918437646621107963349127 1.20
 exponent: 1.20
 BLimit: 709471.535504138094745007240919 2
 Number of discriminants 985
 Filtering discriminants and reduction takes 0.900 seconds for 985 D-s, where
 70 was succesful
 On average that is 0.001
 The time for 70 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.170 seconds for 70 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 66 is 0.270 seconds, 0.004 on average
 This resulted 1 new nodes
 n1 2280230226434280520938164591235858956183052153741048893926384311409548919835
 6487473894459705146946412205743567631532042375136096904381015739866576511745867
 9013475155115362146217994044310667388745859117770905990490481478095961798909291
 9684275262344167165125929305553271407093653910689984602423423234052264907055087
 8981385902697925200679973005843786955195632827
 SLimit: 6187.17780932559520390156582315
 BLimit: 680872.092937280878448614115475
 delta 0.90
 Number of discriminants 253
 Estimation for 64 nodes takes 0.080 second. 1.06053144376506602537069459999
 Number of discriminants 240
 Estimation for 56 nodes takes 0.080 second. 1.57100762100179724249714884319
 delta 1.10

The time of estimation is 0.160
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.630
 n1: 22802302264342805209381645912358589561830521537410488939263843114095489198
 3564874738944597051469464122057435676315320423751360969043810157398665765117458
 6790134751551153621462179940443106673887458591177709059904904814780959617989092
 9196842752623441671651259293055532714070936539106899846024234232340522649070550
 878981385902697925200679973005843786955195632827
 SLimit: 6187.17780932559520390156582315 1.30
 DLimit, delta: 1615.05026626264270653125081280 1.10
 exponent: 1.10
 BLimit: 680872.092937280878448614115475 2
 Number of discriminants 492
 Filtering discriminants and reduction takes 0.630 seconds for 492 D-s, where
 54 was succesful
 On average that is 0.001
 The time for 54 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.170 seconds for 54 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 50 is 0.340 seconds, 0.007 on average
 This resulted 3 new nodes
 n1 5182341423714273911223101343717861264052391258502383849832691616839883908717
 3835167941953875333969118649417199162572823579854765691775035772424037526695154
 3212443534353095786859072500542240286709810370621302551259719657639333324381515
 4012480711697510428175165632776051096422448672737726692911900584297755997971662
 52416773832127453248079215847317913588682627
 SLimit: 6150.31597902679337984778112025
 BLimit: 674641.366845612899112758285616
 delta 0.90
 Number of discriminants 251
 Estimation for 43 nodes takes 0.070 second. 0.776095118417377224792512379300
 Number of discriminants 239
 Estimation for 49 nodes takes 0.080 second. 1.09208161487410269159624155791
 Number of discriminants 468
 Estimation for 74 nodes takes 0.080 second. 1.48043662485439081578740058438
 delta 1.20
 The time of estimation is 0.230
 n1 5700575566085701302345411478089647390457630384352622234815960778523872299589
 1218684736149262867366030514358919078830105937840242260952539349666441279364669
 7533687887788405365544977744540974825229896875343089555016429322393592684593005
 0733810700933109753707639365174281278262146670931952307484011230897977321141897
 08003613140692968267668456008843860940618291
 SLimit: 6151.24377214146808128771199088
 BLimit: 674797.944926168216410280608417
 delta 0.90
 Number of discriminants 251
 Estimation for 83 nodes takes 0.090 second. 1.84237593262336431103499556632
 delta 1.00
 The time of estimation is 0.090
 n1 3812329008283087876911262942613286558187407466296142737120284075786713234527
 6010623109843685459349983624930729003430820529552760155789834380837585286808446
 3006545768600551973212719382179156760264361717438749640753841227692003707652586
 2634889490898806689287562276895850831292377875034703249905097868008663211942527
 65917251312973717567641231484601933516207
 SLimit: 6080.17801878865430089557708393
 BLimit: 662841.489509394951908164124066
 delta 0.90

Number of discriminants 249
 Estimation for 58 nodes takes 0.070 second. 1.00624630761550406580165357555
 Number of discriminants 236
 Estimation for 56 nodes takes 0.080 second. 1.46915058561542411224114954486
 delta 1.10
 The time of estimation is 0.150
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.730
 n1: 57005755660857013023454114780896473904576303843526222348159607785238722995
 8912186847361492628673660305143589190788301059378402422609525393496664412793646
 6975336878877884053655449777445409748252298968753430895550164293223935926845930
 0507338107009331097537076393651742812782621466709319523074840112308979773211418
 9708003613140692968267668456008843860940618291
 SLimit: 6151.24377214146808128771199088 1.30
 DLimit, delta: 821.460860252129247123661772006 1.00
 exponent: 1.00
 BLimit: 674797.944926168216410280608417 2
 Number of discriminants 251
 Filtering discriminants and reduction takes 0.390 seconds for 251 D-s, where
 52 was succesful
 On average that is 0.002
 The time for 52 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.160 seconds for 52 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 49 is 0.260 seconds, 0.005 on average
 This resulted 2 new nodes
 n1 9596928562433840576339076562440483822319243071300710833023502994147933164291
 4509570262877546914757627128550368819579302925656973503287103282266736160546582
 0763784322876103308998270218535462456916227025130601287040845603601445487588346
 2371366504036263204560931514136517800528404826085791422551090852556945067042667
 3167617373944947367272049659886951157209
 SLimit: 6066.78960833923133976692027817
 BLimit: 660597.341895332250183132746036
 delta 0.90
 Number of discriminants 249
 Estimation for 74 nodes takes 0.080 second. 1.34005912889607284955466418058
 Number of discriminants 235
 Estimation for 67 nodes takes 0.070 second. 2.02507783436965863435903021295
 delta 1.10
 The time of estimation is 0.150
 n1 2673458025553986172894267873306892891977016047192055043378695236526185905254
 2540480340979832520853940006055016497124416335675703705227080998965610272900568
 6136851697963725414505456030965174304613043596602123430418468075644134171580894
 7478462542228583547969888806018034626313032897727992724529090039888514217637707
 96835988086379225207470205161
 SLimit: 5809.88769198267107870706673234
 BLimit: 618055.233460640644606500451846
 delta 0.90
 Number of discriminants 239
 Estimation for 106 nodes takes 0.080 second. 2.44751182864739224986843800075
 delta 1.00
 The time of estimation is 0.080
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.170
 n1: 26734580255539861728942678733068928919770160471920550433786952365261859052
 5425404803409798325208539400060550164971244163356757037052270809989656102729005
 6861368516979637254145054560309651743046130435966021234304184680756441341715808

9474784625422285835479698888060180346263130328977279927245290900398885142176377
 0796835988086379225207470205161
 SLimit: 5809.88769198267107870706673234 1.30
 DLimit, delta: 786.164889486067448485503966185 1.00
 exponent: 1.00
 BLimit: 618055.233460640644606500451846 2
 Number of discriminants 239
 Filtering discriminants and reduction takes 0.350 seconds for 239 D-s, where
 70 was successful
 On average that is 0.002
 The time for 70 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.170 seconds for 70 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 65 is 0.280 seconds, 0.004 on average
 This resulted 2 new nodes
 n1 6722294053257412266887606616558307147096377352521289698406514042991388376683
 8317251097981036021108711915707914433356318824732203978315530349718438127460489
 6871077395510124972001370131430915133017166881494784049455598352948162370905748
 7203328239841806405979381740929209182346124151513981265496509004749024068664838
 712709799512674368927
 SLimit: 5642.33890072663639091867879556
 BLimit: 590847.827625890448472062572336
 delta 0.90
 Number of discriminants 235
 Estimation for 56 nodes takes 0.060 second. 0.934278536415895031805368601090
 Number of discriminants 219
 Estimation for 47 nodes takes 0.070 second. 1.32249974416917924224401843694
 Number of discriminants 429
 Estimation for 83 nodes takes 0.070 second. 1.91471168654566190848068283571
 delta 1.20
 The time of estimation is 0.200
 n1 646137380499319937377716244457881119434010168194255228583466832284865393595
 9349575456737800949472979519661196097071771886300521329338459490926165586089928
 0106466787421998628331194914010445251737412440247344856995276581219027144407705
 8513847983608578304417036122593843925022386861075009591082272931976222946199011
 355324623578755389338371
 SLimit: 5707.96643253395948420835457303
 BLimit: 601453.657085818657630355770878
 delta 0.90
 Number of discriminants 237
 Estimation for 48 nodes takes 0.070 second. 0.801795837242487091118120055555
 Number of discriminants 222
 Estimation for 42 nodes takes 0.070 second. 1.17660589024118010052704310877
 Number of discriminants 432
 Estimation for 83 nodes takes 0.070 second. 1.65652523073994888343455110559
 delta 1.20
 The time of estimation is 0.210
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 1.330
 n1: 67222940532574122668876066165583071470963773525212896984065140429913883766
 8383172510979810360211087119157079144333563188247322039783155303497184381274604
 8968710773955101249720013701314309151330171668814947840494555983529481623709057
 4872033282398418064059793817409292091823461241515139812654965090047490240686648
 38712709799512674368927
 SLimit: 5642.33890072663639091867879556 1.30
 DLimit, delta: 2903.25635839888689100369597571 1.20
 exponent: 1.20

BLimit: 590847.827625890448472062572336 2
 Number of discriminants 881
 Filtering discriminants and reduction takes 0.770 seconds for 881 D-s, where
 66 was succesful
 On average that is 0.001
 The time for 66 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.160 seconds for 66 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 61 is 0.350 seconds, 0.006 on average
 This resulted 4 new nodes
 n1 1671896870127452625829633604621671697167305174466394178732261692243610429126
 9179651138979298141711139677343469206199665303159245458423303170963261493691312
 6166900982843915515070139246082967098706300999932654241162701149627073773714867
 9529983990291942449980217013541685602049378043084006277856923773116865852914023
 22254098545983
 SLimit: 5475.82686684215550034488206343
 BLimit: 564236.386675329562961484273182
 delta 0.90
 Number of discriminants 230
 Estimation for 59 nodes takes 0.060 second. 0.929577882053190942858127528229
 Number of discriminants 213
 Estimation for 45 nodes takes 0.060 second. 1.32538383370503473387669196241
 Number of discriminants 418
 Estimation for 79 nodes takes 0.070 second. 1.80809714707638385231687206783
 delta 1.20
 The time of estimation is 0.190
 n1 1194590241137181146572791687111529430917116558818011735217012928399494261119
 9091209914530202679422637116683894907540084940219682661218174057778841438660155
 9441861508161611749310386755452452448165638271680322319260674869294868836216063
 0994187420169154142396087700668372942914318209855799653509169932955201638387342
 5018639151
 SLimit: 5385.52945036403775212274744677
 BLimit: 549985.693455072184968424357239
 delta 0.90
 Number of discriminants 227
 Estimation for 74 nodes takes 0.060 second. 1.70393269770358463821149677068
 delta 1.00
 The time of estimation is 0.060
 n1 8192214998162757722229528726409179884612516592130711051702429214524262223115
 1621555109772385352527340005566750998215046382009849212701314511137291139292626
 3383762520854427705518501073057465470489662292741026790713706404369692004642682
 8441646511117978244712156412386134318371693913853897038825182463481265154764581
 060512062065609
 SLimit: 5512.73747401694172706397381417
 BLimit: 570098.252033260026166492320671
 delta 0.90
 Number of discriminants 231
 Estimation for 84 nodes takes 0.070 second. 1.87809653866597280933946102922
 delta 1.00
 The time of estimation is 0.070
 n1 1797315347365337094121828262216853588579387316480019660540627562477548762273
 8674584246803406892931078605627596597560770277634920487694285011690791928094680
 5030188501819675330597645123666241635890321255328650681604470588682856131282485
 4631071196966204606235291802857210839805922010142715149941861165146245080528234
 66303969
 SLimit: 5345.94427616027769153239932360
 BLimit: 543778.705136163187733753923836

delta 0.90
 Number of discriminants 225
 Estimation for 120 nodes takes 0.070 second. 3.37049806819566264664625051021
 delta 1.00
 The time of estimation is 0.070
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.770
 n1: 17973153473653370941218282622168535885793873164800196605406275624775487622
 7386745842468034068929310786056275965975607702776349204876942850116907919280946
 8050301885018196753305976451236662416358903212553286506816044705886828561312824
 8546310711969662046062352918028572108398059220101427151499418611651462450805282
 3466303969
 SLimit: 5345.94427616027769153239932360 1.30
 DLimit, delta: 737.413523835956772950941799852 1.00
 exponent: 1.00
 BLimit: 543778.705136163187733753923836 2
 Number of discriminants 225
 Filtering discriminants and reduction takes 0.320 seconds for 225 D-s, where
 108 was successful
 On average that is 0.001
 The time for 108 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.160 seconds for 108 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 103 is 0.370 seconds, 0.004 on average
 This resulted 3 new nodes
 n1 6049367056307258956749156071922848218760138792896925227663434045793276391998
 4229923956283260272126898655127416958011128201310366895857011631093043365021071
 4723984632762509961573449259846513945463526327723886775609950893028422569785465
 3508368357174601586891246539529468798094484159675667385438042559106623671199338
 27
 SLimit: 5227.48424473298768608814600217
 BLimit: 525351.961096582784231359995692
 delta 0.90
 Number of discriminants 222
 Estimation for 53 nodes takes 0.060 second. 1.19081395411871961532427149460
 Number of discriminants 203
 Estimation for 51 nodes takes 0.060 second. 1.72924308246091747178658843579
 delta 1.10
 The time of estimation is 0.120
 n1 3746678397456243460351647065651996499084626964430560319986966186745607779453
 5175667429219395285331479304385776788763125723375880977205524623658909730888268
 7275331069588830739629280704831398599159798572015104900483544710847867879679182
 2135872349338200139578499146064841896525512765973622131365613975338558422865283
 3
 SLimit: 5201.41874477253719521130008629
 BLimit: 521327.326378651728419956543919
 delta 0.90
 Number of discriminants 220
 Estimation for 93 nodes takes 0.060 second. 2.25656789993162628998445745458
 delta 1.00
 The time of estimation is 0.060
 n1 1383096590357296589169512928542815634159637146272792876679078668749193440850
 5724826111547451160847826126418086373010239258072261995560773437577683129524377
 9008226096630836380519539574787856081932387207027320497328562624531061464693151
 1577786339799112406476276252860772431369365090173533414765935533762878424488221
 1
 SLimit: 5192.08798945633460131981655452

BLimit: 519889.248995433889475565824670
 delta 0.90
 Number of discriminants 220
 Estimation for 33 nodes takes 0.050 second. 0.675116600101682013643315221616
 Number of discriminants 203
 Estimation for 41 nodes takes 0.060 second. 1.05864188805807030478644490314
 Number of discriminants 396
 Estimation for 60 nodes takes 0.060 second. 1.46244589552725628746504213609
 delta 1.20
 The time of estimation is 0.170
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.320
 n1: 37466783974562434603516470656519964990846269644305603199869661867456077794
 5351756674292193952853314793043857767887631257233758809772055246236589097308882
 6872753310695888307396292807048313985991597985720151049004835447108478678796791
 8221358723493382001395784991460648418965255127659736221313656139753385584228652
 833
 SLimit: 5201.41874477253719521130008629 1.30
 DLimit, delta: 722.030003793922492158295823868 1.00
 exponent: 1.00
 BLimit: 521327.326378651728419956543919 2
 Number of discriminants 220
 Filtering discriminants and reduction takes 0.280 seconds for 220 D-s, where
 62 was succesful
 On average that is 0.001
 The time for 62 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.150 seconds for 62 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 61 is 0.180 seconds, 0.003 on average
 This resulted 1 new nodes
 n1 2439243748343908502833103558367185220758220679967812708324847777829171731415
 0504991815898043805554348505459490096850993309489505844534846760194602689380383
 2800639071095199584051275826038604189036545965561949388745697406483503057669711
 30305640291331322450025762882081836306421209269255705003585987599637695701683
 SLimit: 5132.81297181720341656898205301
 BLimit: 510786.179846647291825554896363
 delta 0.90
 Number of discriminants 218
 Estimation for 50 nodes takes 0.060 second. 1.20234070265432851723953064865
 Number of discriminants 199
 Estimation for 34 nodes takes 0.050 second. 1.53046874457724411069981145687
 delta 1.10
 The time of estimation is 0.110
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 0.820
 n1: 24392437483439085028331035583671852207582206799678127083248477778291717314
 1505049918158980438055543485054594900968509933094895058445348467601946026893803
 8328006390710951995840512758260386041890365459655619493887456974064835030576697
 1130305640291331322450025762882081836306421209269255705003585987599637695701683
 SLimit: 5132.81297181720341656898205301 1.30
 DLimit, delta: 1378.89604522901861171218409261 1.10
 exponent: 1.10
 BLimit: 510786.179846647291825554896363 2
 Number of discriminants 416
 Filtering discriminants and reduction takes 0.340 seconds for 416 D-s, where
 46 was succesful
 On average that is 0.001

The time for 46 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.140 seconds for 46 D, that is 0.003 on average
Time of Miller-Rabin test for 41 is 0.170 seconds, 0.004 on average
This resulted 2 new nodes
n1 1309872059039796210306682181488124380173032262897547367804128330914601939327
1670600266296876707955294010020132153823968053640589541689854344428419444410043
8060023081465337372076580225536650883681395459388137584293751238920011449899523
0553585095426014120643097829124200624132211646434290152984422704060101883
SLimit: 5041.20665038355952223418224800
BLimit: 496828.984102428845234434446179
delta 0.90
Number of discriminants 215
Estimation for 38 nodes takes 0.050 second. 0.844686791670960072741623886587
Number of discriminants 198
Estimation for 41 nodes takes 0.050 second. 1.21481905625608805986248707328
Number of discriminants 385
Estimation for 72 nodes takes 0.070 second. 1.7885000928635159308385676709
delta 1.20
The time of estimation is 0.170
n1 5949374995960752445934398922846793221361513853580030995914262872754077393695
2451199550970838550132557330389000236221934901193916693987431122425860218000934
3032329742416778410278418240069077904541433152399781069808534525598270350956560
926669843590640330091713176768324061733663753821404916047748177624871077847
SLimit: 5098.16865159014864131396798219
BLimit: 505491.842045274699067342979062
delta 0.90
Number of discriminants 217
Estimation for 40 nodes takes 0.050 second. 0.821535393153914067782291966512
Number of discriminants 200
Estimation for 33 nodes takes 0.050 second. 1.11382990530514389083681093033
Number of discriminants 388
Estimation for 75 nodes takes 0.070 second. 1.60785344881672523801153113137
delta 1.20
The time of estimation is 0.170
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 1.090
n1: 13098720590397962103066821814881243801730322628975473678041283309146019393
2716706002662968767079552940100201321538239680536405895416898543444284194444100
4380600230814653373720765802255366508836813954593881375842937512389200114498995
230553585095426014120643097829124200624132211646434290152984422704060101883
SLimit: 5041.20665038355952223418224800 1.30
DLimit, delta: 2616.52057592847722922491161100 1.20
exponent: 1.20
BLimit: 496828.984102428845234434446179 2
Number of discriminants 796
Filtering discriminants and reduction takes 0.530 seconds for 796 D-s, where
64 was succesful
On average that is 0.001
The time for 64 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.150 seconds for 64 D, that is 0.002 on average
Time of Miller-Rabin test for 58 is 0.240 seconds, 0.004 on average
This resulted 3 new nodes
n1 9512242997602058210096493477763139878068370852551708303785626528249718785165
6734870451354148923912948400361448673585531186033354850544458159227029742207457
0022959545391722017785412615947020939858812300274814808703687863744637462374659

23592512269132626046051240906520312678848266399123973429236241
 SLimit: 4825.23195864375867828993978155
 BLimit: 464462.943485588285362802928446
 delta 0.90
 Number of discriminants 207
 Estimation for 88 nodes takes 0.060 second. 2.55092899719954799784495209871
 delta 1.00
 The time of estimation is 0.060
 n1 5695095908868679175246444267339671218143618534337162468713601438759138866639
 8567827244769029165023017434870139799234643711480824094303714540993128019174140
 5928883293312573347323346141207410297024014902489981206472977116371919286111473
 27394475792357520311839387671740706062998622030594050847541124839346817
 SLimit: 5012.07331489151451312905520037
 BLimit: 492418.640450488587473011676399
 delta 0.90
 Number of discriminants 214
 Estimation for 48 nodes takes 0.050 second. 0.880248343134310625234263101171
 Number of discriminants 198
 Estimation for 34 nodes takes 0.050 second. 1.19288321853854359391552580637
 Number of discriminants 380
 Estimation for 75 nodes takes 0.060 second. 1.67242777806322809996851686908
 delta 1.20
 The time of estimation is 0.160
 n1 1496722952419896030790577930307743018617204011720768051332474440004801338414
 8807761170868043224045082053590351654353453144157170736425172933438936245269461
 3130175671223595097767699727991938050070312427815812715095515437777196856643832
 22838567501452218173636583550269582324600915333692650897250133016759
 SLimit: 4935.66022811233778514233977400
 BLimit: 480916.439678543380364562818538
 delta 0.90
 Number of discriminants 211
 Estimation for 72 nodes takes 0.050 second. 2.04770031828869891634326187540
 delta 1.00
 The time of estimation is 0.050
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 1.280
 n1: 95122429976020582100964934777631398780683708525517083037856265282497187851
 6567348704513541489239129484003614486735855311860333548505444581592270297422074
 5700229595453917220177854126159470209398588123002748148087036878637446374623746
 5923592512269132626046051240906520312678848266399123973429236241
 SLimit: 4825.23195864375867828993978155 1.30
 DLimit, delta: 681.515182138731437198970951743 1.00
 exponent: 1.00
 BLimit: 464462.943485588285362802928446 2
 Number of discriminants 207
 Filtering discriminants and reduction takes 0.230 seconds for 207 D-s, where
 70 was succesful
 On average that is 0.001
 The time for 70 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.130 seconds for 70 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 68 is 0.130 seconds, 0.002 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.590
 n1: 14967229524198960307905779303077430186172040117207680513324744400048013384
 1488077611708680432240450820535903516543534531441571707364251729334389362452694

6131301756712235950977676997279919380500703124278158127150955154377771968566438
 3222838567501452218173636583550269582324600915333692650897250133016759
 SLimit: 4935.66022811233778514233977400 1.30
 DLimit, delta: 693.481391010994166218688012961 1.00
 exponent: 1.00
 BLimit: 480916.439678543380364562818538 2
 Number of discriminants 211
 Filtering discriminants and reduction takes 0.240 seconds for 211 D-s, where
 54 was succesful
 On average that is 0.001
 The time for 54 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.140 seconds for 54 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 50 is 0.140 seconds, 0.003 on average
 This resulted 1 new nodes
 n1 3212334368724692616467233125808046313002390942246191598163832421189451931437
 9429873952885719365666692536626428120862475359296827283980797401839195255243596
 5796534335787384606196422942994634832241455439700817464506420532871001433707993
 580169113664987400952362846152768034494593759162814865867726961
 SLimit: 4836.43649852735127289407840054
 BLimit: 466123.237003939756262423655925
 delta 0.90
 Number of discriminants 207
 Estimation for 96 nodes takes 0.060 second. 2.69729961729926688732517798435
 delta 1.00
 The time of estimation is 0.060
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.660
 n1: 32123343687246926164672331258080463130023909422461915981638324211894519314
 3794298739528857193656666925366264281208624753592968272839807974018391952552435
 9657965343357873846061964229429946348322414554397008174645064205328710014337079
 93580169113664987400952362846152768034494593759162814865867726961
 SLimit: 4836.43649852735127289407840054 1.30
 DLimit, delta: 682.732185416756045482708607386 1.00
 exponent: 1.00
 BLimit: 466123.237003939756262423655925 2
 Number of discriminants 207
 Filtering discriminants and reduction takes 0.250 seconds for 207 D-s, where
 78 was succesful
 On average that is 0.001
 The time for 78 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.140 seconds for 78 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 74 is 0.220 seconds, 0.003 on average
 This resulted 2 new nodes
 n1 7385627503137628330238451676096339558661324083666383714142125011931310539834
 8821627503507852426212782649321356590417330413333273442054143526153241001101699
 5776006664248562147879843931693003105537108976598212111408472623717149447205672
 042438646840196048192153468004430581233935515444771508271
 SLimit: 4717.21722187068717449385512721
 BLimit: 448564.008114004400213493499407
 delta 0.90
 Number of discriminants 204
 Estimation for 52 nodes takes 0.060 second. 1.14547854540119232386574519909
 Number of discriminants 187
 Estimation for 41 nodes takes 0.050 second. 1.65743099395308018360403766903
 delta 1.10

The time of estimation is 0.110
n1 1013211498414322712899638513487067541559549610101219637781106146888216407093
8690643704891459934263767308792457129359155349432265498119129347599832975891889
2133674354362299420614950164291811765997261249676708279644458075957199778404078
347464015489968178729810743458178414601862495397963811083
SLimit: 4699.03727054409770495071191341
BLimit: 445907.159676083834628955019360
delta 0.90
Number of discriminants 204
Estimation for 50 nodes takes 0.050 second. 1.12651441049174822979486321840
Number of discriminants 186
Estimation for 40 nodes takes 0.050 second. 1.57319610704051879646460535260
delta 1.10
The time of estimation is 0.100
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.910
n1: 10132114984143227128996385134870675415595496101012196377811061468882164070
9386906437048914599342637673087924571293591553494322654981191293475998329758918
8921336743543622994206149501642918117659972612496767082796444580759571997784040
78347464015489968178729810743458178414601862495397963811083
SLimit: 4699.03727054409770495071191341 1.30
DLimit, delta: 1279.63009381948939369349059764 1.10
exponent: 1.10
BLimit: 445907.159676083834628955019360 2
Number of discriminants 389
Filtering discriminants and reduction takes 0.310 seconds for 389 D-s, where
52 was succesful
On average that is 0.001
The time for 52 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.130 seconds for 52 D, that is 0.003 on
average
Time of Miller-Rabin test for 47 is 0.220 seconds, 0.005 on average
This resulted 4 new nodes
n1 7527574282424388654529260872860828689149699926457798200453983260685114465779
1163771953131203077739727405590320426145284914058436093009876282316726620927887
4954494090275756150002208084938920552944324206810959521317083746600334512758132
05418947182062597134757327410251685453497485147873103
SLimit: 4633.23327024727997429158660702
BLimit: 436336.751731355773703347743487
delta 0.90
Number of discriminants 201
Estimation for 40 nodes takes 0.050 second. 0.744091868486211547925705072144
Number of discriminants 184
Estimation for 33 nodes takes 0.040 second. 1.01419713345449334969246408628
Number of discriminants 354
Estimation for 53 nodes takes 0.050 second. 1.33866888623055183627714276567
Number of discriminants 675
Estimation for 95 nodes takes 0.060 second. 1.85203265835129923343049538939
delta 1.30
The time of estimation is 0.200
n1 1631626912955886495740987599562118854393749120307060000741898951406921502943
0129436055929480916097818995613397201213733951648714354935004025396005659470685
3157699431764811414086274203841344194932550158955873178385148741834069111961962
1002096923217127662185928644853973616924004637057
SLimit: 4535.54788945416884338316528927
BLimit: 422264.178917160801086203010724
delta 0.90

Number of discriminants 197
 Estimation for 64 nodes takes 0.050 second. 1.63669123825263364561540624197
 delta 1.00
 The time of estimation is 0.050
 n1 4694237255845511310706213435304072467157184199358456168566948495698341703451
 4801036629137188947232505535033197192496194890303851309840990052177845565577356
 6869095386213135028205481437294512953080553182660905761578866109951025711072701
 81496778847871436932500362139499207404383088411
 SLimit: 4503.37732207789954485480299908
 BLimit: 417665.121876570175926039246386
 delta 0.90
 Number of discriminants 196
 Estimation for 64 nodes takes 0.040 second. 1.73737150618701847714252535287
 delta 1.00
 The time of estimation is 0.040
 n1 5957982343910941246443971160017920442901158771495974278303218267066623194198
 9072317070739711302595663922288711476625271445772012137629061285019860356260229
 3255886649855594381601554840911814712911549287119341082597984159778089632536827
 61554804490460160349322976812853514924016564743813
 SLimit: 4568.21951512031741235521044230
 BLimit: 426952.878366565340690379062027
 delta 0.90
 Number of discriminants 198
 Estimation for 59 nodes takes 0.050 second. 1.14893043945729820424930407916
 Number of discriminants 182
 Estimation for 50 nodes takes 0.050 second. 1.86444944531862069796313761069
 delta 1.10
 The time of estimation is 0.100
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 1.130
 n1: 46942372558455113107062134353040724671571841993584561685669484956983417034
 5148010366291371889472325055350331971924961948903038513098409900521778455655773
 5668690953862131350282054814372945129530805531826609057615788661099510257110727
 0181496778847871436932500362139499207404383088411
 SLimit: 4503.37732207789954485480299908 1.30
 DLimit, delta: 646.270161678976306988301770700 1.00
 exponent: 1.00
 BLimit: 417665.121876570175926039246386 2
 Number of discriminants 196
 Filtering discriminants and reduction takes 0.200 seconds for 196 D-s, where
 48 was succesful
 On average that is 0.001
 The time for 48 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.130 seconds for 48 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 43 is 0.140 seconds, 0.003 on average
 This resulted 2 new nodes
 n1 4839419851387125062583725191035126254801220824080882648007163397627156395310
 8042305803234215409518046943333192981954840093096753927671123765495364909255164
 5698573055087504914547556566648246171011820716218342382423874028044205137030660
 256497684558444131436926682196679569593642529
 SLimit: 4461.98029975285320928601564347
 BLimit: 411773.051449683077061934297193
 delta 0.90
 Number of discriminants 194
 Estimation for 72 nodes takes 0.040 second. 2.37812928223731781327468333782
 delta 1.00

The time of estimation is 0.040
 n1 3886410877223874761587916016308793567825875280877768942629612713636307901238
 9444270592713321401610013190408932080472575899053840795135410589105673422022692
 4654046515484625122957763924943471886159046876917331357451381124567139096250668
 17173956202485576488307520637932709
 SLimit: 4253.00837248541532669420255416
 BLimit: 382480.762438550871377492950127
 delta 0.90
 Number of discriminants 187
 Estimation for 48 nodes takes 0.040 second. 1.40761577528123321340857675159
 delta 1.00
 The time of estimation is 0.040
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.630
 n1: 38864108772238747615879160163087935678258752808777689426296127136363079012
 3894442705927133214016100131904089320804725758990538407951354105891056734220226
 9246540465154846251229577639249434718861590468769173313574513811245671390962506
 6817173956202485576488307520637932709
 SLimit: 4253.00837248541532669420255416 1.30
 DLimit, delta: 618.450291000457749301546323141 1.00
 exponent: 1.00
 BLimit: 382480.762438550871377492950127 2
 Number of discriminants 187
 Filtering discriminants and reduction takes 0.190 seconds for 187 D-s, where
 32 was successful
 On average that is 0.001
 The time for 32 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.080 seconds for 32 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 31 is 0.050 seconds, 0.002 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.380
 n1: 48394198513871250625837251910351262548012208240808826480071633976271563953
 1080423058032342154095180469433331929819548400930967539276711237654953649092551
 6456985730550875049145475565666482461710118207162183423824238740280442051370306
 60256497684558444131436926682196679569593642529
 SLimit: 4461.98029975285320928601564347 1.30
 DLimit, delta: 641.695450700472924166185049079 1.00
 exponent: 1.00
 BLimit: 411773.051449683077061934297193 2
 Number of discriminants 194
 Filtering discriminants and reduction takes 0.190 seconds for 194 D-s, where
 64 was successful
 On average that is 0.001
 The time for 64 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.130 seconds for 64 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 59 is 0.130 seconds, 0.002 on average
 This resulted 1 new nodes
 n1 2288141773705496483491123021766017141749986205239188013242157634811894276742
 6970357353775042746817043472025150346077938578296337554454432042468201380439071
 5764786361211686843105760178349381000602005182263442429479414181895795232370500
 890179982036650642264441203426587790856419
 SLimit: 4392.89116877456130717659363134
 BLimit: 402004.997785299211417074614955
 delta 0.90

Number of discriminants 193
 Estimation for 78 nodes takes 0.050 second. 2.36754174060955165897895210938
 delta 1.00
 The time of estimation is 0.050
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.570
 n1: 22881417737054964834911230217660171417499862052391880132421576348118942767
 4269703573537750427468170434720251503460779385782963375544544320424682013804390
 7157647863612116868431057601783493810006020051822634424294794141818957952323705
 00890179982036650642264441203426587790856419
 SLimit: 4392.89116877456130717659363134 1.30
 DLimit, delta: 634.038640608992545821972848602 1.00
 exponent: 1.00
 BLimit: 402004.997785299211417074614955 2
 Number of discriminants 193
 Filtering discriminants and reduction takes 0.220 seconds for 193 D-s, where
 62 was succesful
 On average that is 0.001
 The time for 62 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.130 seconds for 62 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 62 is 0.100 seconds, 0.002 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 0.540
 n1: 22881417737054964834911230217660171417499862052391880132421576348118942767
 4269703573537750427468170434720251503460779385782963375544544320424682013804390
 7157647863612116868431057601783493810006020051822634424294794141818957952323705
 00890179982036650642264441203426587790856419
 SLimit: 4392.89116877456130717659363134 1.30
 DLimit, delta: 1208.72442691187157789699092369 1.10
 exponent: 1.10
 BLimit: 402004.997785299211417074614955 2
 Number of discriminants 175
 Filtering discriminants and reduction takes 0.200 seconds for 175 D-s, where
 36 was succesful
 On average that is 0.001
 The time for 36 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.120 seconds for 36 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 32 is 0.120 seconds, 0.004 on average
 This resulted 2 new nodes
 n1 1204285144055524464995327906192640600921045371178520006969556649900996987759
 3142293344092127761482654458960605445304178199103335554976016910275028240170706
 6668755564208313535641355900648576092606676618012822114106583234172812613789353
 30886954733023490050032953392870055963343
 SLimit: 4366.38922863779665723128766907
 BLimit: 398279.891330787606861381670019
 delta 0.90
 Number of discriminants 192
 Estimation for 47 nodes takes 0.040 second. 1.01419603300998800417664940745
 Number of discriminants 172
 Estimation for 40 nodes takes 0.050 second. 1.45638144796625330782118255198
 delta 1.10
 The time of estimation is 0.090
 n1 1271189874280831379717290567647787300972214558466215562912309797117719042634
 8316865196541690414898357484458416858932188099053520863585795612191147563764439

5722133116302116158553859637004681019512872885535111915559346686809898373895737
35559154950709847712230629337783248285747
SLimit: 4366.87553644323144475543735805
BLimit: 398348.137273735838426603335023
delta 0.90
Number of discriminants 192
Estimation for 46 nodes takes 0.040 second. 0.967959444956022328157956669199
Number of discriminants 172
Estimation for 37 nodes takes 0.040 second. 1.34699231049888206655833146140
Number of discriminants 337
Estimation for 69 nodes takes 0.050 second. 1.91123991420894554002379309957
delta 1.20
The time of estimation is 0.130
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.740
n1: 12042851440555244649953279061926406009210453711785200069695566499009969877
5931422933440921277614826544589606054453041781991033355549760169102750282401707
0666687555642083135356413559006485760926066766180128221141065832341728126137893
5330886954733023490050032953392870055963343
SLimit: 4366.38922863779665723128766907 1.30
DLimit, delta: 1202.55129124305133340191234122 1.10
exponent: 1.10
BLimit: 398279.891330787606861381670019 2
Number of discriminants 363
Filtering discriminants and reduction takes 0.290 seconds for 363 D-s, where
42 was succesful
On average that is 0.001
The time for 42 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.120 seconds for 42 D, that is 0.003 on
average
Time of Miller-Rabin test for 40 is 0.100 seconds, 0.003 on average
This resulted 1 new nodes
n1 5921063690719919686293956960483015885348568617820541850482111460253684978412
4796171611643285124552113963128007499405959973958088180225266972301666295293149
4130726874831904091596633662564917766955437233055195912388989893553212788119350
34416398673153423403208317554546369
SLimit: 4256.77274164536966423627449328
BLimit: 383001.711996693085733803533293
delta 0.90
Number of discriminants 187
Estimation for 66 nodes takes 0.040 second. 1.90746162651195834765156951218
delta 1.00
The time of estimation is 0.040
Time of sorting a list with 100 element is 0.010 seconds.
Level completed in 0.630
n1: 59210636907199196862939569604830158853485686178205418504821114602536849784
1247961716116432851245521139631280074994059599739580881802252669723016662952931
4941307268748319040915966336625649177669554372330551959123889898935532127881193
5034416398673153423403208317554546369
SLimit: 4256.77274164536966423627449328 1.30
DLimit, delta: 618.871321032646564286938201110 1.00
exponent: 1.00
BLimit: 383001.711996693085733803533293 2
Number of discriminants 187
Filtering discriminants and reduction takes 0.170 seconds for 187 D-s, where
46 was succesful
On average that is 0.001

The time for 46 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.080 seconds for 46 D, that is 0.002 on average
average
Time of Miller-Rabin test for 45 is 0.100 seconds, 0.002 on average
This resulted 1 new nodes
n1 2467109871133299869289148733534589952228570257425225771034213108439035407671
8665071504851368801896714151303336458085816655815870075094014913231381251542485
7219484686817357414277725002825297740991218164136062821106769277501000818400275
0871863464120650176512407786297363
SLimit: 4228.37723338530116191765455715
BLimit: 379078.199278241083914628214330
delta 0.90
Number of discriminants 186
Estimation for 56 nodes takes 0.040 second. 1.36653363665301105826945960378
Number of discriminants 171
Estimation for 49 nodes takes 0.040 second. 1.96349644427028711219060764327
delta 1.10
The time of estimation is 0.080
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.500
n1: 24671098711332998692891487335345899522285702574252257710342131084390354076
7186650715048513688018967141513033364580858166558158700750940149132313812515424
8572194846868173574142777250028252977409912181641360628211067692775010008184002
750871863464120650176512407786297363
SLimit: 4228.37723338530116191765455715 1.30
DLimit, delta: 1170.30980850237015182095796652 1.10
exponent: 1.10
BLimit: 379078.199278241083914628214330 2
Number of discriminants 356
Filtering discriminants and reduction takes 0.300 seconds for 356 D-s, where
48 was succesful
On average that is 0.001
The time for 48 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.080 seconds for 48 D, that is 0.002 on average
average
Time of Miller-Rabin test for 45 is 0.130 seconds, 0.003 on average
This resulted 2 new nodes
n1 2611737443822409624664574194107486102648853149427947808899851272505288249792
3687172361544242790673023500676815810402675197555715369389752953950182527720516
0733782008481588420256985184412151613772046193781237194445753070479419230828327
1996814904368578795759117547
SLimit: 4105.95530351049455640023571556
BLimit: 362325.413110982184087599816084
delta 0.90
Number of discriminants 183
Estimation for 50 nodes takes 0.040 second. 1.24066885636759065594503451129
Number of discriminants 166
Estimation for 40 nodes takes 0.040 second. 1.63996540769416396483391569303
delta 1.10
The time of estimation is 0.080
n1 3642230617147379210633009981771561199763595505708166981404681573670841892467
5166075905628595258011328047628041779634834900281971025642423730791850528915138
8603878754140172538489699115404549896177430215297413873987925460533956532751352
716132259435535850477783
SLimit: 4027.40527109301889274821147014
BLimit: 351716.563972634361828971278780
delta 0.90

Number of discriminants 180
 Estimation for 37 nodes takes 0.040 second. 0.785030964654581066338190622079
 Number of discriminants 163
 Estimation for 37 nodes takes 0.030 second. 1.25009600559852385644786217844
 Number of discriminants 305
 Estimation for 59 nodes takes 0.050 second. 1.80289606240787572755974676644
 delta 1.20
 The time of estimation is 0.120
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.780
 n1: 26117374438224096246645741941074861026488531494279478088998512725052882497
 9236871723615442427906730235006768158104026751975557153693897529539501825277205
 1607337820084815884202569851844121516137720461937812371944457530704794192308283
 271996814904368578795759117547
 SLimit: 4105.95530351049455640023571556 1.30
 DLimit, delta: 1141.57470685214755320246672745 1.10
 exponent: 1.10
 BLimit: 362325.413110982184087599816084 2
 Number of discriminants 348
 Filtering discriminants and reduction takes 0.270 seconds for 348 D-s, where
 32 was succesful
 On average that is 0.001
 The time for 32 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.080 seconds for 32 D, that is 0.003 on
 average
 Time of Miller-Rabin test for 28 is 0.040 seconds, 0.001 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.450
 n1: 36422306171473792106330099817715611997635955057081669814046815736708418924
 6751660759056285952580113280476280417796348349002819710256424237307918505289151
 3886038787541401725384896991154045498961774302152974138739879254605339565327513
 52716132259435535850477783
 SLimit: 4027.40527109301889274821147014 1.30
 DLimit, delta: 2126.74633494028397637888021082 1.20
 exponent: 1.20
 BLimit: 351716.563972634361828971278780 2
 Number of discriminants 646
 Filtering discriminants and reduction takes 0.360 seconds for 646 D-s, where
 48 was succesful
 On average that is 0.001
 The time for 48 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.080 seconds for 48 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 43 is 0.120 seconds, 0.003 on average
 This resulted 2 new nodes
 n1 7141628661073292569868647023081492548556069619035621532166042301315376259740
 2286423344369794623551623622800081920852617451533276291966292868088592028373663
 1094747371890891130159364148633838778374772622891817716374772486559875421649890
 2959474008239615999541
 SLimit: 3992.72889142153119504206668770
 BLimit: 347068.430070559738743129429442
 delta 0.90
 Number of discriminants 179
 Estimation for 58 nodes takes 0.040 second. 1.73495461812199288382876954570
 delta 1.00
 The time of estimation is 0.040

n1 1000634249071100757278043315700600507308561970753265312115117184838258043020
5692890096443988431073887860132179145496753749196265994410116377332183505466132
555653207373959178967724635408024637222262214252196526877385222243346777841783
759451327333310091
SLimit: 3894.54613264552270419061555181
BLimit: 334025.615753310346157612978362
delta 0.90
Number of discriminants 174
Estimation for 58 nodes takes 0.040 second. 1.82804804660650003387398112766
delta 1.00
The time of estimation is 0.040
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.710
n1: 10006342490711007572780433157006005073085619707532653121151171848382580430
2056928900964439884310738878601321791454967537491962659944101163773321835054661
32556532073739591789677246354080246372222622142521965268773852222433467778417
83759451327333310091
SLimit: 3894.54613264552270419061555181 1.30
DLimit, delta: 577.949492389525631770849242787 1.00
exponent: 1.00
BLimit: 334025.615753310346157612978362 2
Number of discriminants 174
Filtering discriminants and reduction takes 0.160 seconds for 174 D-s, where
52 was succesful
On average that is 0.001
The time for 52 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.080 seconds for 52 D, that is 0.002 on
average
Time of Miller-Rabin test for 48 is 0.130 seconds, 0.003 on average
This resulted 3 new nodes
n1 6834933395294404079768055435113391443364494335746347760349161098621981168173
2874932352759483818810709427132371212409520144782930772803565615451551415020999
8361458701304059814809207494314445506243995948685831277740168806751261716670769
48587543876291
SLimit: 3830.81536231381740723023056297
BLimit: 325653.480098021273611631246076
delta 0.90
Number of discriminants 173
Estimation for 63 nodes takes 0.040 second. 2.09893358847198442113809408308
delta 1.00
The time of estimation is 0.040
n1 5497990379511542622406831404948354435761329509633325890742402114495923313299
8312582947494441928977405824902083217015130490089077539727100103515412198590103
9809720585945898681537392632207060517004508114409727303277274427435747579969762
049891419333367
SLimit: 3849.02008443183177388513538089
BLimit: 328037.391392534024499864409507
delta 0.90
Number of discriminants 174
Estimation for 44 nodes takes 0.030 second. 1.00177365316873418565692466434
Number of discriminants 156
Estimation for 33 nodes takes 0.050 second. 1.40163805514099246661538237024
delta 1.10
The time of estimation is 0.080
n1 1316624011935658891155320152237632246458634172043770147519891032681918477658
6438013284794721619834062973858130454600991775258323513556018233471330882808882
7641163398215677876780605519679681598609692109375211363651808823711204996853926

7504550261255771
 SLimit: 3856.65108242951554288233106734
 BLimit: 329038.480733189254116376869080
 delta 0.90
 Number of discriminants 174
 Estimation for 61 nodes takes 0.020 second. 1.92544747967057349825764396672
 delta 1.00
 The time of estimation is 0.020
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 0.580
 n1: 68349333952944040797680554351133914433644943357463477603491610986219811681
 7328749323527594838188107094271323712124095201447829307728035656154515514150209
 9983614587013040598148092074943144455062439959486858312777401688067512617166707
 6948587543876291
 SLimit: 3830.81536231381740723023056297 1.30
 DLimit, delta: 570.660564695004374902450912082 1.00
 exponent: 1.00
 BLimit: 325653.480098021273611631246076 2
 Number of discriminants 173
 Filtering discriminants and reduction takes 0.150 seconds for 173 D-s, where
 52 was succesful
 On average that is 0.001
 The time for 52 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.080 seconds for 52 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 46 is 0.210 seconds, 0.005 on average
 This resulted 6 new nodes
 n1 1712758330901218884320166249464589646510423078170287114807086928938500768850
 1196544968866707717839600417764840177519550981005066556191049154313842919074731
 3538392799636103584018497430089631384329812034299293436030529089331642884918289
 2873969371
 SLimit: 3738.61940929740617462002848597
 BLimit: 313674.241048190890359296125594
 delta 0.90
 Number of discriminants 170
 Estimation for 50 nodes takes 0.040 second. 1.51318413251542987976692880850
 delta 1.00
 The time of estimation is 0.040
 n1 1708733348823601019942013858778347860841123583936586940087290274655495292043
 3218733088189870954702677356783092803102380036194673721392037639809349798597976
 8262810730788523647388599558446844345027665732664942075847743822203139714285416
 8419028941081
 SLimit: 3798.65438588053360830606435416
 BLimit: 321456.891864895340804434957689
 delta 0.90
 Number of discriminants 172
 Estimation for 76 nodes takes 0.040 second. 2.89882490215496602802117165112
 delta 1.00
 The time of estimation is 0.040
 n1 1394884366386613077503684782676202335380509048111499542928400224208567585341
 4872435174032547718124634576965790043348881662202041884206164540340365121156770
 4230882805754379779601805317278381098634720957232537078332985281439811557585228
 839155249321
 SLimit: 3776.84605678239238631565704190
 BLimit: 318622.044999295476797365980443
 delta 0.90
 Number of discriminants 172

Estimation for 72 nodes takes 0.030 second. 2.17174132336627169095672018539
 delta 1.00
 The time of estimation is 0.030
 n1 2573531646776015568834470100669029274439796295988119129897222975896188237187
 2542664026808183546209469883198865931832653691480027901532038417438050684183366
 5511227875638813499896156004715448348223002242045805432065496730716423445319448
 783
 SLimit: 3602.85891429187872146689436305
 BLimit: 296322.759140677925765203293800
 delta 0.90
 Number of discriminants 164
 Estimation for 40 nodes takes 0.030 second. 1.15478912122166684129978285451
 Number of discriminants 148
 Estimation for 32 nodes takes 0.040 second. 1.63557689356746461792067476074
 delta 1.10
 The time of estimation is 0.070
 n1 2507617774983034267475756318741694987807394949658333487922273534042309783627
 4348189470723955406950550812879529778087097868106753111237086375383425756656212
 3168683510528344114620273318317610670089712483477122721604846378116426527861749
 29
 SLimit: 3582.83674619511555049300716106
 BLimit: 293793.084507534643655820338723
 delta 0.90
 Number of discriminants 163
 Estimation for 90 nodes takes 0.030 second. 3.42722037643342109361892787683
 delta 1.00
 The time of estimation is 0.030
 n1 2183894109753140582090313907119976816744254828177252695258063424169083671972
 8048992667910497433878873191402489443847499806621003575089532472375034867711679
 4804184054247588618196232668771562135979595672147482639724015636807559331719259
 6618942213
 SLimit: 3740.72831739679076818161083857
 BLimit: 313946.497288634241047227987709
 delta 0.90
 Number of discriminants 170
 Estimation for 57 nodes takes 0.040 second. 1.76801350995697734422444435620
 delta 1.00
 The time of estimation is 0.040
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.750
 n1: 25076177749830342674757563187416949878073949496583334879222735340423097836
 2743481894707239554069505508128795297780870978681067531112370863753834257566562
 1231686835105283441146202733183176106700897124834771227216048463781164265278617
 4929
 SLimit: 3582.83674619511555049300716106 1.30
 DLimit, delta: 542.026830062437632148137280229 1.00
 exponent: 1.00
 BLimit: 293793.084507534643655820338723 2
 Number of discriminants 163
 Filtering discriminants and reduction takes 0.160 seconds for 163 D-s, where
 82 was succesful
 On average that is 0.001
 The time for 82 trial divisions is 0.020 seconds, 0.000 on average
 Batch trial division takes: 0.080 seconds for 82 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 75 is 0.190 seconds, 0.003 on average
 This resulted 5 new nodes

n1 2168469193171077713140571012402019186965924377082612839780589358390098394696
8478199127225834838248487385748469195855331744489911739866351236741134894415907
11361138404681937131611184439479728031532339391841501927484055994950187053859
SLimit: 3502.65173416479561319546903031
BLimit: 283738.583828549736764130386034
delta 0.90
Number of discriminants 161
Estimation for 50 nodes takes 0.030 second. 1.63604827375637370202782359032
delta 1.00
The time of estimation is 0.030
n1 5710297561615634522828051733747456761704030528039097834413386866041436344240
6010952716327963056772453436759360950406058740867730693622721617404065302417847
0840228885245108134995449594416988906945629113405463741826235638334523
SLimit: 3373.70210925191453151407564924
BLimit: 267828.329039183124193283953147
delta 0.90
Number of discriminants 156
Estimation for 43 nodes takes 0.030 second. 1.37774151494858423994866339459
Number of discriminants 140
Estimation for 31 nodes takes 0.030 second. 1.86699069447384847536010498798
delta 1.10
The time of estimation is 0.060
n1 1045151476435367261614491356376581217305541729950957659022709431074854855682
2208146632871699671672852808499474516607465282512446487009644011788121625400052
85330226531891993753355641643907603581432950713216058161329735220307
SLimit: 3320.38188620413685625685334978
BLimit: 261343.897174406438851645289783
delta 0.90
Number of discriminants 154
Estimation for 48 nodes takes 0.030 second. 1.48744015204915646357095914916
delta 1.00
The time of estimation is 0.030
n1 4179362958305057112459593864569491646345658249430555813203789223403849639379
0580315784539925678250918021465882963478492074178221437365280661923147090929174
0896155817476220286760574874225290231686415770040932579392637875904219494002353
9
SLimit: 3567.44762813930202702493955443
BLimit: 291853.931498850135221608432803
delta 0.90
Number of discriminants 163
Estimation for 50 nodes takes 0.030 second. 1.62545712689517830233938124184
delta 1.00
The time of estimation is 0.030
n1 6210557567977004541310075636392378000046546827317189415142498867757723503562
5546449890418003331108033745873599990407427459155731072277093516050652078131304
3119485501827236733547791988317235758150056251961281028668144522488979
SLimit: 3374.41382390160591210962800912
BLimit: 267915.258501381386062868644349
delta 0.90
Number of discriminants 156
Estimation for 63 nodes takes 0.030 second. 2.58973405198532665303669000573
delta 1.00
The time of estimation is 0.030
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.680
n1: 10451514764353672616144913563765812173055417299509576590227094310748548556
8222081466328716996716728528084994745166074652825124464870096440117881216254000

5285330226531891993753355641643907603581432950713216058161329735220307
SLimit: 3320.38188620413685625685334978 1.30
DLimit, delta: 511.218052473116836089158437222 1.00
exponent: 1.00
BLimit: 261343.897174406438851645289783 2
Number of discriminants 154
Filtering discriminants and reduction takes 0.110 seconds for 154 D-s, where
32 was succesful
On average that is 0.001
The time for 32 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.060 seconds for 32 D, that is 0.002 on
average
Time of Miller-Rabin test for 29 is 0.050 seconds, 0.002 on average
This resulted 1 new nodes
n1 5783680081210839987463083092390340259677498547100874116789661889549684603707
7745447784931959866927417357930099540853662731991828301878206356069539198207546
28890733332557806186048477219435392344524526626932313942004571
SLimit: 3218.54082065271865539719702685
BLimit: 249114.206282683714305193869186
delta 0.90
Number of discriminants 152
Estimation for 48 nodes takes 0.030 second. 1.67132890315883336871364699418
delta 1.00
The time of estimation is 0.030
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.300
n1: 57836800812108399874630830923903402596774985471008741167896618895496846037
0777454477849319598669274173579300995408536627319918283018782063560695391982075
4628890733332557806186048477219435392344524526626932313942004571
SLimit: 3218.54082065271865539719702685 1.30
DLimit, delta: 499.113420259046645387824579731 1.00
exponent: 1.00
BLimit: 249114.206282683714305193869186 2
Number of discriminants 152
Filtering discriminants and reduction takes 0.110 seconds for 152 D-s, where
32 was succesful
On average that is 0.001
The time for 32 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.050 seconds for 32 D, that is 0.002 on
average
Time of Miller-Rabin test for 31 is 0.030 seconds, 0.001 on average
This resulted 0 new nodes
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.250
n1: 57836800812108399874630830923903402596774985471008741167896618895496846037
0777454477849319598669274173579300995408536627319918283018782063560695391982075
4628890733332557806186048477219435392344524526626932313942004571
SLimit: 3218.54082065271865539719702685 1.30
DLimit, delta: 929.007397397810097791929991355 1.10
exponent: 1.10
BLimit: 249114.206282683714305193869186 2
Number of discriminants 133
Filtering discriminants and reduction takes 0.090 seconds for 133 D-s, where
14 was succesful
On average that is 0.001
The time for 14 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.050 seconds for 14 D, that is 0.004 on

average
Time of Miller-Rabin test for 14 is 0.010 seconds, 0.001 on average
This resulted 0 new nodes
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.210
n1: 57836800812108399874630830923903402596774985471008741167896618895496846037
0777454477849319598669274173579300995408536627319918283018782063560695391982075
4628890733332557806186048477219435392344524526626932313942004571
SLimit: 3218.54082065271865539719702685 1.30
DLimit, delta: 1729.17559293820534703535109629 1.20
exponent: 1.20
BLimit: 249114.206282683714305193869186 2
Number of discriminants 243
Filtering discriminants and reduction takes 0.130 seconds for 243 D-s, where
20 was succesful
On average that is 0.001
The time for 20 trial divisions is 0.010 seconds, 0.001 on average
Batch trial division takes: 0.060 seconds for 20 D, that is 0.003 on
average
Time of Miller-Rabin test for 18 is 0.020 seconds, 0.001 on average
This resulted 0 new nodes
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.260
n1: 57836800812108399874630830923903402596774985471008741167896618895496846037
0777454477849319598669274173579300995408536627319918283018782063560695391982075
4628890733332557806186048477219435392344524526626932313942004571
SLimit: 3218.54082065271865539719702685 1.30
DLimit, delta: 3218.54082065271865539719702688 1.30
exponent: 1.30
BLimit: 249114.206282683714305193869186 2
Number of discriminants 452
Filtering discriminants and reduction takes 0.240 seconds for 452 D-s, where
22 was succesful
On average that is 0.001
The time for 22 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.060 seconds for 22 D, that is 0.003 on
average
Time of Miller-Rabin test for 22 is 0.030 seconds, 0.001 on average
This resulted 0 new nodes
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.370
n1: 57836800812108399874630830923903402596774985471008741167896618895496846037
0777454477849319598669274173579300995408536627319918283018782063560695391982075
4628890733332557806186048477219435392344524526626932313942004571
SLimit: 3218.54082065271865539719702685 1.30
DLimit, delta: 5990.71896255828662535884888797 1.40
exponent: 1.40
BLimit: 249114.206282683714305193869186 2
Number of discriminants 844
Filtering discriminants and reduction takes 0.220 seconds for 844 D-s, where
20 was succesful
On average that is 0.000
The time for 20 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.060 seconds for 20 D, that is 0.003 on
average
Time of Miller-Rabin test for 18 is 0.020 seconds, 0.001 on average
This resulted 0 new nodes

Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.340
 n1: 57836800812108399874630830923903402596774985471008741167896618895496846037
 0777454477849319598669274173579300995408536627319918283018782063560695391982075
 462889073332557806186048477219435392344524526626932313942004571
 SLimit: 3218.54082065271865539719702685 1.30
 DLimit, delta: 11150.6162848906228013986413750 1.50
 exponent: 1.50
 BLimit: 249114.206282683714305193869186 2
 Number of discriminants 1574
 Filtering discriminants and reduction takes 0.380 seconds for 1574 D-s,
 where 20 was succesful
 On average that is 0.000
 The time for 20 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.070 seconds for 20 D, that is 0.004 on
 average
 Time of Miller-Rabin test for 19 is 0.030 seconds, 0.002 on average
 This resulted 1 new nodes
 n1 2530320499271941370431185865641623213246198642502843319168615067067564083433
 347717282508234053020996056346060231141065701340567939550385656102702035964573
 145962940272858799262145799977900757997470031267562076091
 SLimit: 3115.48277145614379056702036007
 BLimit: 236948.732946688017219596140446
 delta 0.90
 Number of discriminants 148
 Estimation for 43 nodes takes 0.030 second. 1.63629187640336523732726397600
 delta 1.00
 The time of estimation is 0.030
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.550
 n1: 25303204992719413704311858656416232132461986425028433191686150670675640834
 333477172825082340530209960563460602311410657013405679395503856561027020359645
 73145962940272858799262145799977900757997470031267562076091
 SLimit: 3115.48277145614379056702036007 1.30
 DLimit, delta: 486.773800596014018076120192482 1.00
 exponent: 1.00
 BLimit: 236948.732946688017219596140446 2
 Number of discriminants 148
 Filtering discriminants and reduction takes 0.090 seconds for 148 D-s, where
 32 was succesful
 On average that is 0.001
 The time for 32 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.060 seconds for 32 D, that is 0.002 on
 average
 Time of Miller-Rabin test for 30 is 0.050 seconds, 0.002 on average
 This resulted 1 new nodes
 n1 1058028396798820866752113422780038664829692017868775826617519452807602554653
 7624068442074559239640996409032311856410726222779949369521362081870221901489415
 003630818956323724363457545977809664839764190819
 SLimit: 2937.01145647245343911608516531
 BLimit: 216391.126137407507254771390495
 delta 0.90
 Number of discriminants 143
 Estimation for 55 nodes takes 0.030 second. 2.25738152428868406335148491852
 delta 1.00
 The time of estimation is 0.030
 Time of sorting a list with 100 element is 0.000 seconds.

Level completed in 0.270
 n1: 10580283967988208667521134227800386648296920178687758266175194528076025546
 5376240684420745592396409964090323118564107262227799493695213620818702219014894
 15003630818956323724363457545977809664839764190819
 SLimit: 2937.01145647245343911608516531 1.30
 DLimit, delta: 465.178595957947647330062226391 1.00
 exponent: 1.00
 BLimit: 216391.126137407507254771390495 2
 Number of discriminants 143
 Filtering discriminants and reduction takes 0.100 seconds for 143 D-s, where
 48 was successful
 On average that is 0.001
 The time for 48 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.060 seconds for 48 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 45 is 0.070 seconds, 0.002 on average
 This resulted 2 new nodes
 n1 407404080400080349449801396919671408662656980626784084010471516394310953614
 7955596619463069848444344533225841787292640600111154643977973673195886226619394
 85633147416397876699541426232518766018076027
 SLimit: 2872.64468814050732577025307287
 BLimit: 209138.366306066060105785486067
 delta 0.90
 Number of discriminants 142
 Estimation for 36 nodes takes 0.020 second. 1.12962001475380607001104231591
 Number of discriminants 119
 Estimation for 24 nodes takes 0.030 second. 1.45644687889988278801346562442
 delta 1.10
 The time of estimation is 0.050
 n1 7370965562204408992281687493242571163645618070703468208287024194005869824813
 7272317417267376617256489979817479754899721675998049342476262240712341188904184
 427945620005504389609169088173775868888529
 SLimit: 2839.92387872166916524095941088
 BLimit: 205484.722158918181751086977933
 delta 0.90
 Number of discriminants 140
 Estimation for 48 nodes takes 0.020 second. 2.04099717519283317424933783138
 delta 1.00
 The time of estimation is 0.020
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.340
 n1: 73709655622044089922816874932425711636456180707034682082870241940058698248
 1372723174172673766172564899798174797548997216759980493424762622407123411889041
 84427945620005504389609169088173775868888529
 SLimit: 2839.92387872166916524095941088 1.30
 DLimit, delta: 453.304226936963584444044229315 1.00
 exponent: 1.00
 BLimit: 205484.722158918181751086977933 2
 Number of discriminants 140
 Filtering discriminants and reduction takes 0.090 seconds for 140 D-s, where
 50 was successful
 On average that is 0.001
 The time for 50 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.060 seconds for 50 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 45 is 0.080 seconds, 0.002 on average
 This resulted 3 new nodes

n1 1428481698101629649666993700240808365047600401299121745792058952326718958297
2339596398695228026600013850885724365209216536932827460771942251008823483522311
4761973304862116130992599807160638078361
SLimit: 2789.1584307545990440257777193
BLimit: 199860.962811259260508655153412
delta 0.90
Number of discriminants 138
Estimation for 43 nodes takes 0.020 second. 1.85607214811354939456423237837
delta 1.00
The time of estimation is 0.020
n1 3204767635741047387948559779670683114628529595958029655776967040872117315136
4031442355333642007502929310227260455409479719841949479435477022803300547177192
97941605756872426207294914564544586080343
SLimit: 2814.4136282822134424980455860
BLimit: 202651.887919662138962293951466
delta 0.90
Number of discriminants 138
Estimation for 24 nodes takes 0.030 second. 0.799365940360398583274240625574
Number of discriminants 117
Estimation for 18 nodes takes 0.020 second. 1.07084561253041424711635835690
Number of discriminants 210
Estimation for 40 nodes takes 0.020 second. 1.53809084775203715105867729340
delta 1.20
The time of estimation is 0.070
n1 1675219445955547498245838066646038900828549561523515501883414589546788596548
5743708503924403776649324248238904538678072232255171043514972463398452790003729
6753060652168015966246452372148319259551
SLimit: 2790.45077697268623545937149666
BLimit: 200003.449561249498356787709427
delta 0.90
Number of discriminants 138
Estimation for 39 nodes takes 0.030 second. 1.32546121694494087184997862783
Number of discriminants 115
Estimation for 28 nodes takes 0.020 second. 1.84167522483255149145090727759
delta 1.10
The time of estimation is 0.050
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.410
n1: 14284816981016296496669937002408083650476004012991217457920589523267189582
9723395963986952280266000138508857243652092165369328274607719422510088234835223
114761973304862116130992599807160638078361
SLimit: 2789.1584307545990440257777193 1.30
DLimit, delta: 447.058120171482021710341677321 1.00
exponent: 1.00
BLimit: 199860.962811259260508655153412 2
Number of discriminants 138
Filtering discriminants and reduction takes 0.080 seconds for 138 D-s, where
32 was succesful
On average that is 0.001
The time for 32 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.050 seconds for 32 D, that is 0.002 on
average
Time of Miller-Rabin test for 27 is 0.070 seconds, 0.003 on average
This resulted 3 new nodes
n1 41715656890061802263484844263423191547335825924161020063488388009083583702
6385391739759130006147570181398062707389388340840465458717275290394528438433158
10339389026382680931394630341

SLimit: 2594.04372888018399764812289105
 BLimit: 178760.992933691767903885386971
 delta 0.90
 Number of discriminants 129
 Estimation for 50 nodes takes 0.020 second. 2.60082658737587548627494509806
 delta 1.00
 The time of estimation is 0.020
 n1 1707917495350996965125030129845010168782431600284941612973953419138867317916
 1273949887725825844700896918139130562999928283759043818635198353897380068435146
 9064349417801876785933658683815159
 SLimit: 2679.06523905964376854255260410
 BLimit: 187853.999258096407407228516904
 delta 0.90
 Number of discriminants 132
 Estimation for 57 nodes takes 0.020 second. 2.55708088197529998900297628019
 delta 1.00
 The time of estimation is 0.020
 n1 9757388648235175202643399591808800307702188533463946351038654045947533868150
 5051887969229699635261843785538918012923832352930299044830793860642930644578465
 174968257423330697234780529427925513
 SLimit: 2730.18604647123999219722874624
 BLimit: 193396.942651838164567978437702
 delta 0.90
 Number of discriminants 135
 Estimation for 52 nodes takes 0.020 second. 2.32981085002858771370657591227
 delta 1.00
 The time of estimation is 0.020
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 0.310
 n1: 41715656890061802263484848442634231915473358259241610200634883880090835837
 0263853917397591300061475701813980627073893883408404654587172752903945284384331
 5810339389026382680931394630341
 SLimit: 2594.04372888018399764812289105 1.30
 DLimit, delta: 422.801363448241221378187934588 1.00
 exponent: 1.00
 BLimit: 178760.992933691767903885386971 2
 Number of discriminants 129
 Filtering discriminants and reduction takes 0.090 seconds for 129 D-s, where
 54 was succesful
 On average that is 0.001
 The time for 54 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.040 seconds for 54 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 52 is 0.050 seconds, 0.001 on average
 This resulted 2 new nodes
 n1 1533368325590131758029373235396201797223786000143441769888700649671068827695
 6482183086191232842314259620624246155888078619430358773854445203178530777427918
 91122108081
 SLimit: 2260.70760306312948059747201578
 BLimit: 144669.170777595277568983575694
 delta 0.90
 Number of discriminants 116
 Estimation for 55 nodes takes 0.020 second. 3.13004497219933178940717078468
 delta 1.00
 The time of estimation is 0.020
 n1 44046234268032875407719954738891245370298237653146182357416453991879443330512
 4124457578938610371984731019525770420850692882569816188760438084059830044669010

774968882533984397
SLimit: 2394.29155416673725314894068406
BLimit: 158027.946901400455296883355058
delta 0.90
Number of discriminants 120
Estimation for 23 nodes takes 0.020 second. 0.930574673119790487373638712123
Number of discriminants 102
Estimation for 21 nodes takes 0.010 second. 1.33295231238880440243834746870
Number of discriminants 180
Estimation for 36 nodes takes 0.020 second. 1.91431007530188083086528550659
delta 1.20
The time of estimation is 0.050
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.290
n1: 15333683255901317580293732353962017972237860001434417698887006496710688276
9564821830861912328423142596206242461558880786194303587738544452031785307774279
1891122108081
SLimit: 2260.70760306312948059747201578 1.30
DLimit, delta: 380.354007179621124034483784859 1.00
exponent: 1.00
BLimit: 144669.170777595277568983575694 2
Number of discriminants 116
Filtering discriminants and reduction takes 0.070 seconds for 116 D-s, where
68 was succesful
On average that is 0.001
The time for 68 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.040 seconds for 68 D, that is 0.001 on
average
Time of Miller-Rabin test for 64 is 0.060 seconds, 0.001 on average
This resulted 3 new nodes
n1 1692288573222859163309875403531203776439477107283204427173869422893471983597
9131758711921615245444596724460185872320155499204519014852722491044660682178166
629
SLimit: 2120.17132269313908991795977420
BLimit: 131067.126592591059336036803962
delta 0.90
Number of discriminants 111
Estimation for 31 nodes takes 0.020 second. 1.76971739232452014185875394038
delta 1.00
The time of estimation is 0.020
n1 9148727866143314244526868039470779235596995165783944575061634068331733899902
9991572034506282832210215635980132034710771042421895093370340685735455313431199
921
SLimit: 2133.02782771030909898150186704
BLimit: 132291.856085938176899605229613
delta 0.90
Number of discriminants 111
Estimation for 60 nodes takes 0.020 second. 3.88321923031243113796793938948
delta 1.00
The time of estimation is 0.020
n1 51763811358638454616417752626261873527418440583618376258171686531370947984
1208625320953084603431678264992092057000142598759755825322263156993266607296524
37887
SLimit: 2163.84610819663617890303754732
BLimit: 135243.840036545450915304007285
delta 0.90
Number of discriminants 112

Estimation for 29 nodes takes 0.010 second. 1.51251187630625673876368510182
 delta 1.00
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.250
 n1: 16922885732228591633098754035312037764394771072832044271738694228934719835
 9791317587119216152454445967244601858723201554992045190148527224910446606821781
 66629
 SLimit: 2120.17132269313908991795977420 1.30
 DLimit, delta: 362.031941398257094913937566510 1.00
 exponent: 1.00
 BLimit: 131067.126592591059336036803962 2
 Number of discriminants 111
 Filtering discriminants and reduction takes 0.060 seconds for 111 D-s, where
 30 was succesful
 On average that is 0.001
 The time for 30 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.030 seconds for 30 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 30 is 0.020 seconds, 0.001 on average
 This resulted 0 new nodes
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.130
 n1: 91487278661433142445268680394707792355969951657839445750616340683317338999
 0299915720345062828322102156359801320347107710424218950933703406857354553134311
 99921
 SLimit: 2133.02782771030909898150186704 1.30
 DLimit, delta: 363.719474438664305210090093976 1.00
 exponent: 1.00
 BLimit: 132291.856085938176899605229613 2
 Number of discriminants 111
 Filtering discriminants and reduction takes 0.070 seconds for 111 D-s, where
 68 was succesful
 On average that is 0.001
 The time for 68 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.030 seconds for 68 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 59 is 0.080 seconds, 0.001 on average
 This resulted 6 new nodes
 n1 2287181966535828561131717009867694808899248791445986143765408517082933474975
 7493805931297142504013014644780111441083992413446692599773736992550511083437736
 793
 SLimit: 2122.46500014394037033644818356
 BLimit: 131285.333385106228666189241263
 delta 0.90
 Number of discriminants 111
 Estimation for 46 nodes takes 0.020 second. 2.48472066428513887288111909713
 delta 1.00
 The time of estimation is 0.020
 n1 1103000562565503742829724638246380598427492665627886836306620619735210973657
 286939626058834824078515295775943025476050979348199023288552920057736138757613
 SLimit: 2047.08719433268016849099568485
 BLimit: 124181.216533128613766398932779
 delta 0.90
 Number of discriminants 108
 Estimation for 31 nodes takes 0.010 second. 1.72110027937326204955490282996
 delta 1.00

The time of estimation is 0.010
n1 1401030301093922548932139056580517493965849183121584161571460041092149142404
7469295699085087332440751888318333604449448530366235572536794489886582354690102
9
SLimit: 2083.74601266547764159162574611
BLimit: 127618.915274032756132069032397
delta 0.90
Number of discriminants 110
Estimation for 30 nodes takes 0.020 second. 1.27870136896216750307723759493
Number of discriminants 86
Estimation for 24 nodes takes 0.010 second. 1.85670311284856910571917490187
delta 1.10
The time of estimation is 0.030
n1 6316568187785796615869472606772288321076102905876222633071407215236254479106
16821966444948082213676901905186835079203816576926281945051425758000565123111
SLimit: 2042.87848113975640380313814956
BLimit: 123788.648431877390187169549547
delta 0.90
Number of discriminants 108
Estimation for 30 nodes takes 0.020 second. 1.65657208648196062663649674712
delta 1.00
The time of estimation is 0.020
n1 2630401668454767318588643575479358628283705274472587668814998161393461503105
5188708705027246921667984707891462764713486277978154604843081673680639
SLimit: 1915.54281454590214081277707182
BLimit: 112119.148251576412497290074189
delta 0.90
Number of discriminants 103
Estimation for 37 nodes takes 0.010 second. 2.23568103725781947967860240703
delta 1.00
The time of estimation is 0.010
n1 8964407637208630680404861380374413665307425677896620263149472227975023325507
08072531812546931366504120683130418338650568308547593725292875008630633
SLimit: 1941.82706857696135781903181386
BLimit: 114494.720878122996641989306491
delta 0.90
Number of discriminants 104
Estimation for 37 nodes takes 0.010 second. 2.11746907603532561594990601769
delta 1.00
The time of estimation is 0.010
Time of sorting a list with 100 element is 0.010 seconds.
Level completed in 0.320
n1: 26304016684547673185886435754793586282837052744725876688149981613934615031
055188708705027246921667984707891462764713486277978154604843081673680639
SLimit: 1915.54281454590214081277707182 1.30
DLimit, delta: 334.841975044313123370100808427 1.00
exponent: 1.00
BLimit: 112119.148251576412497290074189 2
Number of discriminants 103
Filtering discriminants and reduction takes 0.040 seconds for 103 D-s, where
38 was succesful
On average that is 0.000
The time for 38 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.020 seconds for 38 D, that is 0.001 on
average
Time of Miller-Rabin test for 36 is 0.020 seconds, 0.001 on average
This resulted 1 new nodes

n1 1146956132991174285676942453169196254030610451348835807479889107321896410457
4886800695448515955245111672375168610139606798598835842214541537
SLimit: 1807.34660614790740346187360075
BLimit: 102525.759880384374568239666213
delta 0.90
Number of discriminants 99
Estimation for 28 nodes takes 0.010 second. 1.46709057607096820553480048647
delta 1.00
The time of estimation is 0.010
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.130
n1: 11469561329911742856769424531691962540306104513488358074798891073218964104
574886800695448515955245111672375168610139606798598835842214541537
SLimit: 1807.34660614790740346187360075 1.30
DLimit, delta: 320.196439518593608249497639941 1.00
exponent: 1.00
BLimit: 102525.759880384374568239666213 2
Number of discriminants 99
Filtering discriminants and reduction takes 0.040 seconds for 99 D-s, where
32 was succesful
On average that is 0.000
The time for 32 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.030 seconds for 32 D, that is 0.001 on
average
Time of Miller-Rabin test for 31 is 0.020 seconds, 0.001 on average
This resulted 1 new nodes
n1 9870178803287336589816102613590751366457702182243478548233838274866827628094
23392074074819092479977609829484239882072433744327402227
SLimit: 1688.89337717196548654452985409
BLimit: 92372.3295722576905331156758979
delta 0.90
Number of discriminants 94
Estimation for 21 nodes takes 0.010 second. 0.956496430693807218943865421368
Number of discriminants 70
Estimation for 11 nodes takes 0.010 second. 1.20194107502089318556131776344
Number of discriminants 130
Estimation for 31 nodes takes 0.010 second. 1.80372857082460747250239991299
delta 1.20
The time of estimation is 0.030
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.140
n1: 98701788032873365898161026135907513664577021822434785482338382748668276280
9423392074074819092479977609829484239882072433744327402227
SLimit: 1688.89337717196548654452985409 1.30
DLimit, delta: 953.509749135647534608209591958 1.20
exponent: 1.20
BLimit: 92372.3295722576905331156758979 2
Number of discriminants 292
Filtering discriminants and reduction takes 0.070 seconds for 292 D-s, where
24 was succesful
On average that is 0.000
The time for 24 trial divisions is 0.010 seconds, 0.000 on average
Batch trial division takes: 0.030 seconds for 24 D, that is 0.001 on
average
Time of Miller-Rabin test for 22 is 0.010 seconds, 0.000 on average
This resulted 1 new nodes
n1 3884103270162979546559086044151048694508182085492132532820496008580550832281

85681281397732093785812569215000290284583017
SLimit: 1485.52639458016164986078038722
BLimit: 75825.6178862593805654778847112
delta 0.90
Number of discriminants 84
Estimation for 14 nodes takes 0.010 second. 0.609781394587392316112912812123
Number of discriminants 64
Estimation for 16 nodes takes 0.010 second. 1.14764563308668979570114878695
Number of discriminants 114
Estimation for 29 nodes takes 0.010 second. 1.84772815806674107230877293181
delta 1.20
The time of estimation is 0.030
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.160
n1: 38841032701629795465590860441510486945081820854921325328204960085805508322
8185681281397732093785812569215000290284583017
SLimit: 1485.52639458016164986078038722 1.30
DLimit, delta: 847.012022547132028084793795255 1.20
exponent: 1.20
BLimit: 75825.6178862593805654778847112 2
Number of discriminants 260
Filtering discriminants and reduction takes 0.060 seconds for 260 D-s, where
34 was succesful
On average that is 0.000
The time for 34 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.010 seconds for 34 D, that is 0.000 on
average
Time of Miller-Rabin test for 29 is 0.040 seconds, 0.001 on average
This resulted 5 new nodes
n1 6165243285972983407236644514525474118266955691257353226699207176906837081242
647418360909001432261669997680940597535627
SLimit: 1456.53560366179647903612948910
BLimit: 73561.0388560381807203832712428
delta 0.90
Number of discriminants 84
Estimation for 18 nodes takes 0.010 second. 0.953940259192549285865141160047
Number of discriminants 63
Estimation for 6 nodes takes 0.000 second. 1.11353324495634495269230902821
Number of discriminants 110
Estimation for 19 nodes takes 0.010 second. 1.45095641492002594362105995251
delta 1.20
The time of estimation is 0.020
n1 1816767358069048208800650185297414634087422394426420321069310172280599440642
428469901664998583214529058938950947743
SLimit: 1400.03669508522225628972635054
BLimit: 69217.2738359063281621467046877
delta 0.90
Number of discriminants 81
Estimation for 17 nodes takes 0.010 second. 1.34957335122041483150278904132
Number of discriminants 62
Estimation for 15 nodes takes 0.010 second. 1.73370305078907698801197974497
delta 1.10
The time of estimation is 0.020
n1 9247864928959475110854966771788211177400433536886029840048828374303462361225
326221824904776099041869595862176532471187
SLimit: 1459.36693933495821270092787464
BLimit: 73781.1448731388554157490331625

delta 0.90
 Number of discriminants 84
 Estimation for 16 nodes takes 0.010 second. 0.875262567347243989315206756146
 Number of discriminants 63
 Estimation for 7 nodes takes 0.010 second. 1.13484942306358281636719452045
 Number of discriminants 110
 Estimation for 15 nodes takes 0.010 second. 1.49839246392903457300264034148
 delta 1.20
 The time of estimation is 0.030
 n1 2708655241542985541130217052184892671000712771271257589347321004388889279181
 116394510130498926484875042026275528859
 SLimit: 1402.80029656175779141339783273
 BLimit: 69427.5876524721357144979031163
 delta 0.90
 Number of discriminants 81
 Estimation for 27 nodes takes 0.010 second. 2.20833558468640046090604834084
 delta 1.00
 The time of estimation is 0.010
 n1 4617336269808582437659398530850034111398219312282611189753316329616136617376
 0728811471878996197566641299315198771059
 SLimit: 1422.45971571782537022784683250
 BLimit: 70930.1261482681279969581493534
 delta 0.90
 Number of discriminants 82
 Estimation for 18 nodes takes 0.010 second. 1.28678880715863155415967215697
 Number of discriminants 62
 Estimation for 16 nodes takes 0.010 second. 1.80268021846110046993593781287
 delta 1.10
 The time of estimation is 0.020
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.230
 n1: 27086552415429855411302170521848926710007127712712575893473210043888892791
 81116394510130498926484875042026275528859
 SLimit: 1402.80029656175779141339783273 1.30
 DLimit, delta: 263.491152892221669208912176509 1.00
 exponent: 1.00
 BLimit: 69427.5876524721357144979031163 2
 Number of discriminants 81
 Filtering discriminants and reduction takes 0.020 seconds for 81 D-s, where
 28 was succesful
 On average that is 0.000
 The time for 28 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.010 seconds for 28 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 25 is 0.020 seconds, 0.001 on average
 This resulted 1 new nodes
 n1 1934753743959275386521583608703494765000509122336612563821848579345591990346
 20656239912802476191946836413799776761
 SLimit: 1384.56270449206258294015328866
 BLimit: 68043.8157594031470444794136952
 delta 0.90
 Number of discriminants 80
 Estimation for 37 nodes takes 0.010 second. 3.17495496474855761739100274021
 delta 1.00
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.070

n1: 19347537439592753865215836087034947650005091223366125638218485793455919903
4620656239912802476191946836413799776761
SLimit: 1384.56270449206258294015328866 1.30
DLimit, delta: 260.852095562606410594389591644 1.00
exponent: 1.00
BLimit: 68043.8157594031470444794136952 2
Number of discriminants 80
Filtering discriminants and reduction takes 0.030 seconds for 80 D-s, where
40 was successful
On average that is 0.000
The time for 40 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.020 seconds for 40 D, that is 0.001 on
average
Time of Miller-Rabin test for 32 is 0.030 seconds, 0.001 on average
This resulted 6 new nodes
n1 2265333923401214638755117974760259422530365335788181956781513213989400620826
43083980170365916927680699594781
SLimit: 1291.07077326147967845904060633
BLimit: 61105.0353632668607000693747693
delta 0.90
Number of discriminants 75
Estimation for 42 nodes takes 0.000 second. 3.96221402839285097718636299643
delta 1.00
The time of estimation is 0.000
n1 8818787291851385142994592318261975317929299978743846865459529921701294670418
145981578703827178655605699240681
SLimit: 1315.98824006120630312759493591
BLimit: 62928.7700677268500079299591600
delta 0.90
Number of discriminants 76
Estimation for 32 nodes takes 0.010 second. 2.63314825414185107335836310489
delta 1.00
The time of estimation is 0.010
n1 1183037512235005849609507334361919054648314383370436662941851532168483464850
87084095908325829996934385711493
SLimit: 1286.66162974874559381472786904
BLimit: 60784.2842876425106877006835267
delta 0.90
Number of discriminants 74
Estimation for 15 nodes takes 0.010 second. 1.14215222339490451276678006337
Number of discriminants 58
Estimation for 10 nodes takes 0.010 second. 1.60208211215645340332426507602
delta 1.10
The time of estimation is 0.020
n1 5110824556105440053152957546237042384299738805834247051530608371526390354153
331825225667981583072825935696629
SLimit: 1312.26910001907619180831804208
BLimit: 62655.3718397109382238226840253
delta 0.90
Number of discriminants 76
Estimation for 34 nodes takes 0.010 second. 2.83303504852815934905737930213
delta 1.00
The time of estimation is 0.010
n1 1154713466388563241428220721075592065406686787370301975199374884556211057930
699262179686349086892312753
SLimit: 1208.94436542790234564869591756
BLimit: 55228.5399639707382945086675644

delta 0.90
 Number of discriminants 72
 Estimation for 27 nodes takes 0.000 second. 2.37302626033146581690462284128
 delta 1.00
 The time of estimation is 0.000
 n1 1492865543178453230340728093135412627315207656123929447399578246770996073981
 50693177890816278010985405993410117
 SLimit: 1335.31385086755862118051719464
 BLimit: 64356.1084929939891195407909636
 delta 0.90
 Number of discriminants 77
 Estimation for 24 nodes takes 0.010 second. 1.36820485366300304312992304250
 Number of discriminants 60
 Estimation for 18 nodes takes 0.010 second. 2.19405074737219600140625810254
 delta 1.10
 The time of estimation is 0.020
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.160
 n1: 11547134663885632414282207210755920654066867873703019751993748845562110579
 30699262179686349086892312753
 SLimit: 1208.94436542790234564869591756 1.30
 DLimit, delta: 235.007531717540359971792774964 1.00
 exponent: 1.00
 BLimit: 55228.5399639707382945086675644 2
 Number of discriminants 72
 Filtering discriminants and reduction takes 0.020 seconds for 72 D-s, where
 34 was succesful
 On average that is 0.000
 The time for 34 trial divisions is 0.010 seconds, 0.000 on average
 Batch trial division takes: 0.010 seconds for 34 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 30 is 0.010 seconds, 0.000 on average
 This resulted 2 new nodes
 n1 3227034070812724771685099479006754881315410570447295795471823681582332294685
 65194845640334988983
 SLimit: 1109.01347065144222787898689574
 BLimit: 48363.5516789863015310390780732
 delta 0.90
 Number of discriminants 66
 Estimation for 15 nodes takes 0.010 second. 1.30947625726253491297464256360
 Number of discriminants 50
 Estimation for 16 nodes takes 0.010 second. 2.17578484096025924324744343200
 delta 1.10
 The time of estimation is 0.020
 n1 7644743109220542622383652271739430051716740569337291359287485634843372343942
 07437888066031
 SLimit: 1024.85754296926538268521598779
 BLimit: 42834.1351757311038574513866363
 delta 0.90
 Number of discriminants 62
 Estimation for 19 nodes takes 0.000 second. 1.41305320793456373581111589678
 delta 1.00
 The time of estimation is 0.000
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.080
 n1: 76447431092205426223836522717394300517167405693372913592874856348433723439
 4207437888066031

SLimit: 1024.85754296926538268521598779 1.30
 DLimit, delta: 206.964091512830079770834970397 1.00
 exponent: 1.00
 BLimit: 42834.1351757311038574513866363 2
 Number of discriminants 62
 Filtering discriminants and reduction takes 0.020 seconds for 62 D-s, where
 20 was succesful
 On average that is 0.000
 The time for 20 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.010 seconds for 20 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 15 is 0.010 seconds, 0.001 on average
 This resulted 2 new nodes
 n1 3540872213626930348487101561713492381526975710584378924342639361079635113411
 18646736517
 SLimit: 975.712312012032979180771127673
 BLimit: 39715.1852425381575244852388425
 delta 0.90
 Number of discriminants 61
 Estimation for 12 nodes takes 0.010 second. 1.10157700298264541919381070582
 Number of discriminants 44
 Estimation for 11 nodes takes 0.000 second. 1.59938511613226869566947492312
 delta 1.10
 The time of estimation is 0.010
 n1 1265472239658293238953629067895724571631403399099439235922158770947254509925
 185264957
 SLimit: 940.005321099178276098459470115
 BLimit: 37501.3268437888118766505029395
 delta 0.90
 Number of discriminants 59
 Estimation for 14 nodes takes 0.010 second. 1.08089762203434872560515711082
 Number of discriminants 43
 Estimation for 6 nodes takes 0.000 second. 1.37246883910738619215860016548
 Number of discriminants 69
 Estimation for 14 nodes takes 0.010 second. 1.92524218713958776604896735013
 delta 1.20
 The time of estimation is 0.020
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.080
 n1: 35408722136269303484871015617134923815269757105843789243426393610796351134
 1118646736517
 SLimit: 975.712312012032979180771127673 1.30
 DLimit, delta: 338.396705222353529957394066178 1.10
 exponent: 1.10
 BLimit: 39715.1852425381575244852388425 2
 Number of discriminants 104
 Filtering discriminants and reduction takes 0.020 seconds for 104 D-s, where
 18 was succesful
 On average that is 0.000
 The time for 18 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.010 seconds for 18 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 17 is 0.000 seconds, 0.000 on average
 This resulted 1 new nodes
 n1 3052476046230112369385432380787493432350841324645869223729338968754381351655
 037928983
 SLimit: 945.565378804548707678746043655

BLimit: 37843.1273423492639470691725653
 delta 0.90
 Number of discriminants 59
 Estimation for 21 nodes takes 0.010 second. 1.93712032703057668320427014980
 delta 1.00
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.050
 n1: 30524760462301123693854323807874934323508413246458692237293389687543813516
 55037928983
 SLimit: 945.565378804548707678746043655 1.30
 DLimit, delta: 194.533100891208907771520258696 1.00
 exponent: 1.00
 BLimit: 37843.1273423492639470691725653 2
 Number of discriminants 59
 Filtering discriminants and reduction takes 0.010 seconds for 59 D-s, where
 18 was succesful
 On average that is 0.000
 The time for 18 trial divisions is 0.010 seconds, 0.001 on average
 Batch trial division takes: 0.010 seconds for 18 D, that is 0.001 on
 average
 Time of Miller-Rabin test for 15 is 0.010 seconds, 0.001 on average
 This resulted 3 new nodes
 n1 2654326996721836842943854244163037767261603304380742720067895081650840116515
 5794647
 SLimit: 915.692961515636234949893380815
 BLimit: 36019.5490023543842675299386123
 delta 0.90
 Number of discriminants 58
 Estimation for 17 nodes takes 0.010 second. 1.66914419735669977289371975855
 delta 1.00
 The time of estimation is 0.010
 n1 14600310290841326498959413709199564456497253469969783193023573623482202527
 SLimit: 784.277693227362965494837828052
 BLimit: 28381.1871915440903922451900584
 delta 0.90
 Number of discriminants 54
 Estimation for 16 nodes takes 0.000 second. 1.61725597125502130770334571933
 delta 1.00
 The time of estimation is 0.000
 n1 2784518998486735340804476776142522362851294939245615338364362197479886064267
 359
 SLimit: 858.644603743712206673652243802
 BLimit: 32625.6479801894307257497302705
 delta 0.90
 Number of discriminants 55
 Estimation for 20 nodes takes 0.010 second. 1.55134383759513717755135761972
 delta 1.00
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.060
 n1: 14600310290841326498959413709199564456497253469969783193023573623482202527
 SLimit: 784.277693227362965494837828052 1.30
 DLimit, delta: 168.467169476857093636008397302 1.00
 exponent: 1.00
 BLimit: 28381.1871915440903922451900584 2
 Number of discriminants 54

Filtering discriminants and reduction takes 0.010 seconds for 54 D-s, where
 24 was succesful
 On average that is 0.000
 The time for 24 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.000 seconds for 24 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 21 is 0.010 seconds, 0.000 on average
 This resulted 3 new nodes
 n1 20183624237378417397833900925150620914751813347490762983393403377
 SLimit: 663.129812745982992499938354703
 BLimit: 21924.0533937537436637592755403
 delta 0.90
 Number of discriminants 46
 Estimation for 24 nodes takes 0.010 second. 3.65904905118809406176302727889
 delta 1.00
 The time of estimation is 0.010
 n1 2474172189377473632232866460614229754694867784671636795436731001673
 SLimit: 691.262554584803804025535717321
 BLimit: 23371.2309814893965213194766571
 delta 0.90
 Number of discriminants 48
 Estimation for 14 nodes takes 0.000 second. 1.76796125591381351436840141234
 delta 1.00
 The time of estimation is 0.000
 n1 52399224403312301708894090172122641923303670265623132753719737781781
 SLimit: 709.262177242064439662035938653
 BLimit: 24314.0114424689254624253339646
 delta 0.90
 Number of discriminants 49
 Estimation for 21 nodes takes 0.010 second. 2.84918297932393249204896695889
 delta 1.00
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.050
 n1: 20183624237378417397833900925150620914751813347490762983393403377
 SLimit: 663.129812745982992499938354703 1.30
 DLimit, delta: 148.067732452934335006258364627 1.00
 exponent: 1.00
 BLimit: 21924.0533937537436637592755403 2
 Number of discriminants 46
 Filtering discriminants and reduction takes 0.010 seconds for 46 D-s, where
 32 was succesful
 On average that is 0.000
 The time for 32 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.000 seconds for 32 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 23 is 0.020 seconds, 0.001 on average
 This resulted 7 new nodes
 n1 1721124263441495471803010226413472245614174957707412391301833
 SLimit: 609.104204505174714308600742274
 BLimit: 19237.1583106702299808389406240
 delta 0.90
 Number of discriminants 43
 Estimation for 15 nodes takes 0.000 second. 2.13899609437402892869735117030
 delta 1.00
 The time of estimation is 0.000
 n1 7515174440401895583089910074315659213796772781422294124451

SLimit: 578.266270538283207165564763878
 BLimit: 17759.3668675775401745870986114
 delta 0.90
 Number of discriminants 42
 Estimation for 11 nodes takes 0.000 second. 1.91362666909242318609722549290
 delta 1.00
 The time of estimation is 0.000
 n1 2488924454529968446133697700680143083122268989397835923153
 SLimit: 572.040299741167174599770356228
 BLimit: 17466.0544015177814766295155162
 delta 0.90
 Number of discriminants 42
 Estimation for 24 nodes takes 0.010 second. 4.20372913843183487420979590239
 delta 1.00
 The time of estimation is 0.010
 n1 129144613674703701509619488026199965967436995931024964662743
 SLimit: 594.360476916133487523054863851
 BLimit: 18525.4647320688405814289688722
 delta 0.90
 Number of discriminants 43
 Estimation for 13 nodes takes 0.000 second. 2.28893589190965525303701239145
 delta 1.00
 The time of estimation is 0.000
 n1 2695462638538784374710723948337437168072087798961737224014427
 SLimit: 611.666484777402074818841628448
 BLimit: 19361.7972845511471493017329547
 delta 0.90
 Number of discriminants 44
 Estimation for 11 nodes takes 0.000 second. 1.57515305325648209515781441636
 delta 1.00
 The time of estimation is 0.000
 n1 5061353309645642851441073387265659522223939907669014995483
 SLimit: 576.037423515519014540721898730
 BLimit: 17654.1669625258856635007624679
 delta 0.90
 Number of discriminants 42
 Estimation for 7 nodes takes 0.010 second. 1.27585666684132159272626786530
 Number of discriminants 24
 Estimation for 5 nodes takes 0.000 second. 1.69853485819038796321306510330
 delta 1.10
 The time of estimation is 0.010
 n1 15490118370973459246227092037721068846507695711111767944293761
 SLimit: 621.677986712208080209605169647
 BLimit: 19851.4877814191436697372265637
 delta 0.90
 Number of discriminants 44
 Estimation for 27 nodes takes 0.000 second. 4.73104223138365343475707778960
 delta 1.00
 The time of estimation is 0.000
 Time of sorting a list with 100 element is 0.010 seconds.
 Level completed in 0.070
 n1: 2488924454529968446133697700680143083122268989397835923153
 SLimit: 572.040299741167174599770356228 1.30
 DLimit, delta: 132.159200971849786212906511821 1.00
 exponent: 1.00
 BLimit: 17466.0544015177814766295155162 2
 Number of discriminants 42

Filtering discriminants and reduction takes 0.010 seconds for 42 D-s, where
 32 was successful
 On average that is 0.000
 The time for 32 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.010 seconds for 32 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 22 is 0.010 seconds, 0.000 on average
 This resulted 10 new nodes
 n1 39871274742566455948572627524561315217531453057882833
 SLimit: 510.703633903104687785989567068
 BLimit: 14669.4478072857612564567850409
 delta 0.90
 Number of discriminants 38
 Estimation for 10 nodes takes 0.000 second. 1.85279661374020074130958345995
 delta 1.00
 The time of estimation is 0.000
 n1 1728419760090255865370623403181405624330607543382737
 SLimit: 493.567267453664889329013407628
 BLimit: 13919.0556018858590929378810073
 delta 0.90
 Number of discriminants 36
 Estimation for 18 nodes takes 0.010 second. 3.22915126788305880970687113479
 delta 1.00
 The time of estimation is 0.010
 n1 94291728084935916280258285375778984210049367946830223
 SLimit: 515.426852023906793648139279573
 BLimit: 14878.6893768737150031563690309
 delta 0.90
 Number of discriminants 38
 Estimation for 10 nodes takes 0.000 second. 1.78899564538230607531780942198
 delta 1.00
 The time of estimation is 0.000
 n1 17927946329734519221226837893791998118326917981577
 SLimit: 468.866249463841704623286607137
 BLimit: 12861.9290819484010956102535023
 delta 0.90
 Number of discriminants 34
 Estimation for 17 nodes takes 0.000 second. 3.70008799533547998611649549505
 delta 1.00
 The time of estimation is 0.000
 n1 1074665135807412973287434240374164908469091003992625733
 SLimit: 528.833741298299940424806442361
 BLimit: 15478.2472429853431303585835615
 delta 0.90
 Number of discriminants 39
 Estimation for 9 nodes takes 0.000 second. 1.29164673398117052753374360681
 Number of discriminants 23
 Estimation for 8 nodes takes 0.010 second. 2.14343765321046771813609711386
 delta 1.10
 The time of estimation is 0.010
 n1 622231113632492111533424425156073262382573112283035214761
 SLimit: 564.252003280304553506369097826
 BLimit: 17101.5531034186828288178014427
 delta 0.90
 Number of discriminants 40
 Estimation for 21 nodes takes 0.000 second. 3.49382844381621222316198623271
 delta 1.00

The time of estimation is 0.000
 n1 5448360304243152973357868979008449682200994205311
 SLimit: 462.475063666116610232713576168
 BLimit: 12593.1935490691104815796592020
 delta 0.90
 Number of discriminants 34
 Estimation for 4 nodes takes 0.000 second. 0.559402425540072700521522138206
 Number of discriminants 22
 Estimation for 5 nodes takes 0.000 second. 1.18873015427265448860823454369
 Number of discriminants 34
 Estimation for 5 nodes takes 0.010 second. 1.41967392774179164515857382779
 delta 1.20
 The time of estimation is 0.010
 n1 3505527400746434431174222113609801919944399342001016753
 SLimit: 535.376460762602225819064637376
 BLimit: 15773.8367604278575816744249996
 delta 0.90
 Number of discriminants 39
 Estimation for 13 nodes takes 0.000 second. 2.07443172672100735046257535306
 delta 1.00
 The time of estimation is 0.000
 n1 173113571968602994791112396661730815463087960892049
 SLimit: 481.089812596789284807276721523
 BLimit: 13381.4071633211606509651534619
 delta 0.90
 Number of discriminants 35
 Estimation for 13 nodes takes 0.000 second. 3.16971717746386920985513665555
 delta 1.00
 The time of estimation is 0.000
 n1 26803554400589808590898982323338264733094676342287757
 SLimit: 508.527853076468578652116805102
 BLimit: 14573.4087586512198998283332508
 delta 0.90
 Number of discriminants 38
 Estimation for 6 nodes takes 0.000 second. 0.678926684010821166244872536791
 Number of discriminants 22
 Estimation for 5 nodes takes 0.010 second. 0.968670647641701916485739856785
 Number of discriminants 40
 Estimation for 8 nodes takes 0.000 second. 1.44863057493919648200429389629
 delta 1.20
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.070
 n1: 17927946329734519221226837893791998118326917981577
 SLimit: 468.866249463841704623286607137 1.30
 DLimit, delta: 113.410445206552297951685145549 1.00
 exponent: 1.00
 BLimit: 12861.9290819484010956102535023 2
 Number of discriminants 34
 Filtering discriminants and reduction takes 0.010 seconds for 34 D-s, where
 26 was succesful
 On average that is 0.000
 The time for 26 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.010 seconds for 26 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 23 is 0.000 seconds, 0.000 on average
 This resulted 3 new nodes

n1 97606073912924446254971084673489608859337
SLimit: 369.278891346546174710083108350
BLimit: 8907.91630941992193007047994406
delta 0.90
Number of discriminants 29
Estimation for 14 nodes takes 0.000 second. 3.50115913542817149852393785806
delta 1.00
The time of estimation is 0.000
n1 2406112780799157055593455938439153525212479401
SLimit: 421.522349721738992876257999478
BLimit: 10919.0674423003317286214784114
delta 0.90
Number of discriminants 32
Estimation for 14 nodes takes 0.010 second. 3.14858750660816075157808214726
delta 1.00
The time of estimation is 0.010
n1 370975138005616938410221139850133820444413
SLimit: 376.084581273110046651297085430
BLimit: 9161.73522056706115014312036519
delta 0.90
Number of discriminants 30
Estimation for 10 nodes takes 0.000 second. 2.33129048303295896856076823025
delta 1.00
The time of estimation is 0.000
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.030
n1: 97606073912924446254971084673489608859337
SLimit: 369.278891346546174710083108350 1.30
DLimit, delta: 94.3817583509648432639608108209 1.00
exponent: 1.00
BLimit: 8907.91630941992193007047994406 2
Number of discriminants 29
Filtering discriminants and reduction takes 0.010 seconds for 29 D-s, where
18 was succesful
On average that is 0.000
The time for 18 trial divisions is 0.000 seconds, 0.000 on average
Batch trial division takes: 0.000 seconds for 18 D, that is 0.000 on
average
Time of Miller-Rabin test for 14 is 0.000 seconds, 0.000 on average
This resulted 3 new nodes
n1 2717275488410644084050298338017
SLimit: 250.755011948591595320975446357
BLimit: 4910.81150846436617473116058694
delta 0.90
Number of discriminants 22
Estimation for 9 nodes takes 0.010 second. 2.75058342119213849039344393512
delta 1.00
The time of estimation is 0.010
n1 9592086894273030042614768904905087
SLimit: 289.402692834147136277202006870
BLimit: 6122.47509846287305802984845473
delta 0.90
Number of discriminants 23
Estimation for 7 nodes takes 0.000 second. 1.97536648486133090995356992747
delta 1.00
The time of estimation is 0.000
n1 395035033939063347847339655603

SLimit: 241.821797253650296401264814682
 BLimit: 4644.25512038172137224513709079
 delta 0.90
 Number of discriminants 22
 Estimation for 6 nodes takes 0.000 second. 1.70650251353333836885521713536
 delta 1.00
 The time of estimation is 0.000
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.020
 n1: 395035033939063347847339655603
 SLimit: 241.821797253650296401264814682 1.30
 DLimit, delta: 68.1487719653239340177891065945 1.00
 exponent: 1.00
 BLimit: 4644.25512038172137224513709079 2
 Number of discriminants 22
 Filtering discriminants and reduction takes 0.000 seconds for 22 D-s, where
 8 was successful
 On average that is 0.000
 The time for 8 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.000 seconds for 8 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 3 is 0.000 seconds, 0.000 on average
 This resulted 5 new nodes
 n1 65839172323177163254073746547
 SLimit: 233.589260978295588332672669366
 BLimit: 4403.25310740702451653130691120
 delta 0.90
 Number of discriminants 20
 Estimation for 6 nodes takes 0.000 second. 2.10183494960682564453981884069
 delta 1.00
 The time of estimation is 0.000
 n1 1531143542399471768101693147
 SLimit: 216.525407298123236428500774223
 BLimit: 3918.23572756252804913501838023
 delta 0.90
 Number of discriminants 20
 Estimation for 5 nodes takes 0.000 second. 1.80479022986761189533553595590
 delta 1.00
 The time of estimation is 0.000
 n1 56433576277009102367758613939
 SLimit: 232.884075431627758251812476145
 BLimit: 4382.81891266395786128943624459
 delta 0.90
 Number of discriminants 20
 Estimation for 8 nodes takes 0.000 second. 2.34619655154344764433931920792
 delta 1.00
 The time of estimation is 0.000
 n1 79007006787812595824073802727
 SLimit: 234.423952991760152939228044543
 BLimit: 4427.48297620206449055837039667
 delta 0.90
 Number of discriminants 20
 Estimation for 7 nodes takes 0.000 second. 1.96261090017237192000590498122
 delta 1.00
 The time of estimation is 0.000
 n1 1515216153990090929305277
 SLimit: 185.945067301035492268352034461

BLimit: 3099.99517923572862917512325782
 delta 0.90
 Number of discriminants 18
 Estimation for 1 nodes takes 0.000 second. 0.102865918328272231920867682481
 Number of discriminants 8
 Estimation for 2 nodes takes 0.010 second. 0.788638707183420444726652232350
 Number of discriminants 15
 Estimation for 3 nodes takes 0.000 second. 1.23439101993926678305041218977
 Number of discriminants 19
 Estimation for 2 nodes takes 0.000 second. 1.43644907379837295289497370892
 delta 1.30
 The time of estimation is 0.010
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.020
 n1: 1531143542399471768101693147
 SLimit: 216.525407298123236428500774223 1.30
 DLimit, delta: 62.5958123804023175258841214582 1.00
 exponent: 1.00
 BLimit: 3918.23572756252804913501838023 2
 Number of discriminants 20
 Filtering discriminants and reduction takes 0.000 seconds for 20 D-s, where
 8 was successful
 On average that is 0.000
 The time for 8 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.000 seconds for 8 D, that is 0.000 on
 average
 Time of Miller-Rabin test for 6 is 0.010 seconds, 0.002 on average
 This resulted 2 new nodes
 n1 443400380344356538661
 SLimit: 151.421960142571697528951853154
 BLimit: 2260.14714013819145700889347135
 delta 0.90
 Number of discriminants 15
 Estimation for 4 nodes takes 0.000 second. 1.92893863334183198565192639036
 delta 1.00
 The time of estimation is 0.000
 n1 9279657832724189429562749
 SLimit: 193.851289457954614648313669260
 BLimit: 3305.08479692728505327717923934
 delta 0.90
 Number of discriminants 19
 Estimation for 4 nodes takes 0.000 second. 1.60667390491865107705273623764
 delta 1.00
 The time of estimation is 0.000
 Time of sorting a list with 100 element is 0.000 seconds.
 Level completed in 0.010
 n1: 443400380344356538661
 SLimit: 151.421960142571697528951853154 1.30
 DLimit, delta: 47.5410048288652756470104028299 1.00
 exponent: 1.00
 BLimit: 2260.14714013819145700889347135 2
 Number of discriminants 15
 Filtering discriminants and reduction takes 0.000 seconds for 15 D-s, where
 8 was successful
 On average that is 0.000
 The time for 8 trial divisions is 0.000 seconds, 0.000 on average
 Batch trial division takes: 0.000 seconds for 8 D, that is 0.000 on

```

average
Time of Miller-Rabin test for 5 is 0.000 seconds, 0.000 on average
This resulted 3 new nodes
n1 604911842235510503
SLimit: 124.693956902015877976130128806
BLimit: 1676.39960021250667504453128914
delta 0.90
Number of discriminants 13
Estimation for 4 nodes takes 0.000 second. 2.15309465075531134506475020169
delta 1.00
The time of estimation is 0.000
n1 3242083604083
SLimit: 78.9499926125752753967773468569
BLimit: 829.856922397996086515898725660
delta 0.90
Number of discriminants 9
Estimation for 5 nodes takes 0.000 second. 3.60149091658925762958512031996
delta 1.00
The time of estimation is 0.000
n1 4950432971331461
SLimit: 106.012548717059348489430324058
BLimit: 1305.97321689650834900097972673
delta 0.90
Number of discriminants 11
Estimation for 4 nodes takes 0.000 second. 1.88589342919464265904436649450
delta 1.00
The time of estimation is 0.000
Time of sorting a list with 100 element is 0.000 seconds.
Level completed in 0.010
n1: 3242083604083
SLimit: 78.9499926125752753967773468569 1.30
DLimit, delta: 28.8072373267204518741183865157 1.00
exponent: 1.00
BLimit: 829.856922397996086515898725660 2
Number of discriminants 9
Filtering discriminants and reduction takes 0.000 seconds for 9 D-s, where
8 was succesful
On average that is 0.000
The time for 8 trial divisions is 0.000 seconds, 0.000 on average
Time of Miller-Rabin test for 2 is 0.000 seconds, 0.000 on average
This resulted 5 new nodes
n1 36841837267
SLimit: 63.3844051907337677011555739206
BLimit: 591.944030049846017769403779233
delta 0.90
Number of discriminants 9
Estimation for 3 nodes takes 0.000 second. 2.80378938789800119795125343239
delta 1.00
The time of estimation is 0.000
The total time of finding a path is 1794.97 second

Validating path...
Proof takes(sec): 1119.230
THE INPUT NUMBER IS PRIME

Time: 2914.200

```