

```

dataPureBFSyy = {498138, 101129, 47404, 46614, 24887, 24492, 43849, 61230, 21332, 20937,
  1001807, 131942, 117721, 156434, 68736, 95203, 64391, 80587, 107449, 135892, 1785556,
  645881, 543963, 354741, 466140, 250056, 276919, 244921, 352371, 371333, 5249612,
  2527430, 2453954, 1232507, 369358, 381999, 341310, 346445, 835102, 502879, 16380102,
  4996790, 2019021, 1065013, 1095035, 1042891, 1199325, 1812813, 1117948, 1002203,
  50449451, 10635117, 12848494, 15177223, 13311475, 13310290, 15151545, 13209556,
  11393187, 14713057, 211902387, 152960486, 177132247, 200924380, 167399785,
  150194455, 164553167, 155088932, 178416110, 167318802, 2634719180, 2285672695,
  2396775729, 2543122155, 2280792044, 2434949090, 2442000455, 2323558075,
  2207597697, 2338486821, 39508600886, 39901100764, 40383445292, 39151426963,
  41663136771, 38433490623, 41936982135, 36233867881, 39895316670, 39492600413}

{498138, 101129, 47404, 46614, 24887, 24492, 43849, 61230, 21332, 20937, 1001807, 131942,
  117721, 156434, 68736, 95203, 64391, 80587, 107449, 135892, 1785556, 645881,
  543963, 354741, 466140, 250056, 276919, 244921, 352371, 371333, 5249612, 2527430,
  2453954, 1232507, 369358, 381999, 341310, 346445, 835102, 502879, 16380102,
  4996790, 2019021, 1065013, 1095035, 1042891, 1199325, 1812813, 1117948, 1002203,
  50449451, 10635117, 12848494, 15177223, 13311475, 13310290, 15151545, 13209556,
  11393187, 14713057, 211902387, 152960486, 177132247, 200924380, 167399785,
  150194455, 164553167, 155088932, 178416110, 167318802, 2634719180, 2285672695,
  2396775729, 2543122155, 2280792044, 2434949090, 2442000455, 2323558075,
  2207597697, 2338486821, 39508600886, 39901100764, 40383445292, 39151426963,
  41663136771, 38433490623, 41936982135, 36233867881, 39895316670, 39492600413}

```

```
Table[2^i, {i, 2, 4}, {j, 1, 10}]
```

```

{{4, 4, 4, 4, 4, 4, 4, 4, 4, 4},
 {8, 8, 8, 8, 8, 8, 8, 8, 8, 8}, {16, 16, 16, 16, 16, 16, 16, 16, 16, 16}}

```

```

dataPureBFSxx = {4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16,
  16, 16, 16, 16, 16, 16, 16, 16, 16, 16, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 64, 64,
  64, 64, 64, 64, 64, 64, 64, 64, 64, 128, 128, 128, 128, 128, 128, 128, 128, 128, 128, 128,
  256, 256, 256, 256, 256, 256, 256, 256, 256, 256, 512, 512, 512, 512, 512, 512,
  512, 512, 512, 512, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024}

{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16,
  16, 16, 16, 16, 16, 16, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 64, 64, 64, 64,
  64, 64, 64, 64, 64, 64, 128, 128, 128, 128, 128, 128, 128, 128, 128, 128, 256,
  256, 256, 256, 256, 256, 256, 256, 256, 256, 512, 512, 512, 512, 512, 512,
  512, 512, 512, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024}

```

```
datapureBFS = Transpose@{dataPureBFSxx, dataPureBFSyy}
```

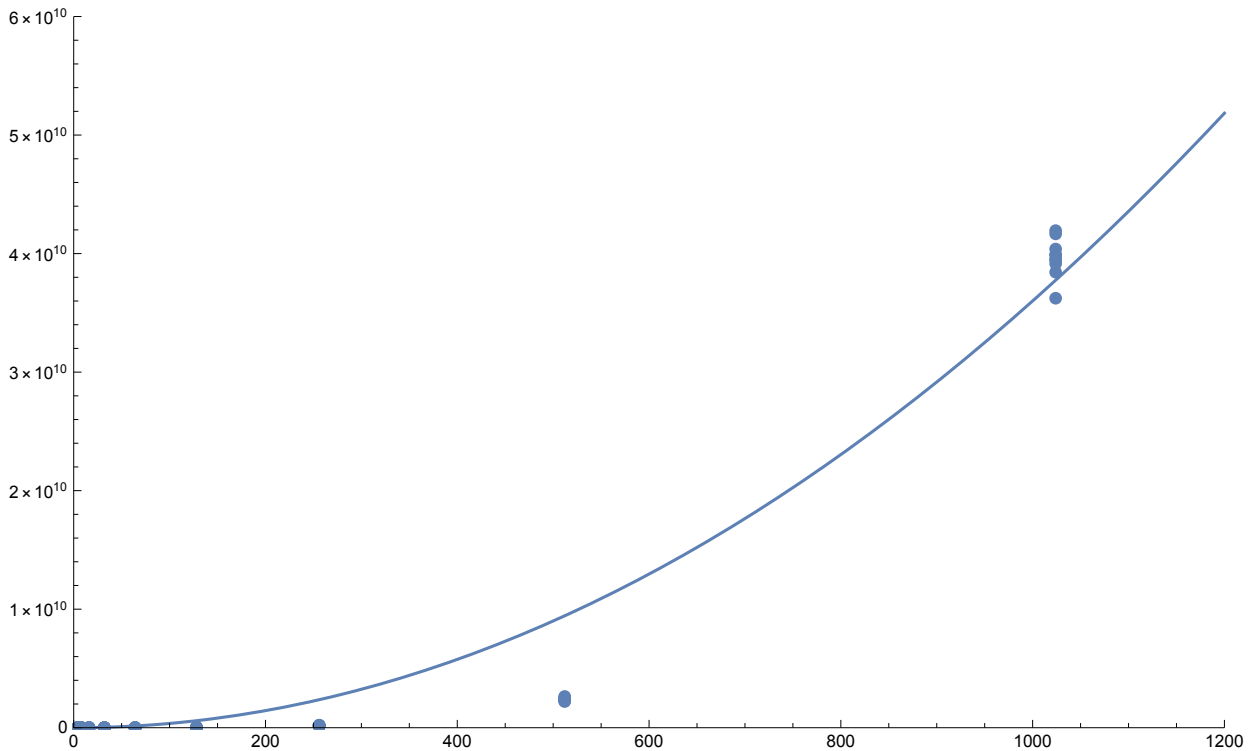
```
{ {4, 498138}, {4, 101129}, {4, 47404}, {4, 46614}, {4, 24887}, {4, 24492}, {4, 43849},
  {4, 61230}, {4, 21332}, {4, 20937}, {8, 1001807}, {8, 131942}, {8, 117721},
  {8, 156434}, {8, 68736}, {8, 95203}, {8, 64391}, {8, 80587}, {8, 107449}, {8, 135892},
  {16, 1785556}, {16, 645881}, {16, 543963}, {16, 354741}, {16, 466140}, {16, 250056},
  {16, 276919}, {16, 244921}, {16, 352371}, {16, 371333}, {32, 5249612}, {32, 2527430},
  {32, 2453954}, {32, 1232507}, {32, 369358}, {32, 381999}, {32, 341310}, {32, 346445},
  {32, 835102}, {32, 502879}, {64, 16380102}, {64, 4996790}, {64, 2019021},
  {64, 1065013}, {64, 1095035}, {64, 1042891}, {64, 1199325}, {64, 1812813},
  {64, 1117948}, {64, 1002203}, {128, 50449451}, {128, 10635117}, {128, 12848494},
  {128, 15177223}, {128, 13311475}, {128, 13310290}, {128, 15151545}, {128, 13209556},
  {128, 11393187}, {128, 14713057}, {256, 211902387}, {256, 152960486},
  {256, 177132247}, {256, 200924380}, {256, 167399785}, {256, 150194455},
  {256, 164553167}, {256, 155088932}, {256, 178416110}, {256, 167318802},
  {512, 2634719180}, {512, 2285672695}, {512, 2396775729}, {512, 2543122155},
  {512, 2280792044}, {512, 2434949090}, {512, 2442000455}, {512, 2323558075},
  {512, 2207597697}, {512, 2338486821}, {1024, 39508600886}, {1024, 39901100764},
  {1024, 40383445292}, {1024, 39151426963}, {1024, 41663136771}, {1024, 38433490623},
  {1024, 41936982135}, {1024, 36233867881}, {1024, 39895316670}, {1024, 39492600413}}
```

```
Clear[datapureBFS]
```

```
model[v_] = Fit[datapureBFS, {v^2}, v]
```

```
36002.6 v^2
```

```
Show[ListPlot[datapureBFS, PlotRange -> {{0, 1200}, {0, 6 * 10^10}}],
  Plot[model[v], {v, 0, 1200}]]
```



```
dataPureDijyy = {540803, 86118, 45034, 33578, 45824, 23307, 20542, 21727, 27653,
  19752, 819301, 137472, 95598, 76637, 71107, 88882, 97969, 54515, 56884, 90068,
  1273196, 310497, 329458, 368172, 310102, 336174, 321558, 331039, 356716,
  127596, 3802207, 2293175, 2320037, 1563547, 395825, 454685, 379628, 493793,
  496954, 686965, 13478180, 4818234, 3116821, 619019, 675509, 695260, 786119,
  636005, 673929, 592552, 30525889, 3240072, 3863832, 3889508, 3376754, 3463662,
  3054011, 3193458, 2197181, 1843230, 42103954, 18672091, 14365427, 13313450,
  12871802, 14978125, 15640597, 17451040, 12880493, 14824062, 184264989,
  163151980, 190233564, 177188343, 118396160, 152584019, 160536852, 143978984,
  188096033, 141488688, 1782492074, 1604431101, 1723792726, 1603504745,
  1551822787, 1586039484, 1608260565, 1588239825, 1565340865, 1593274144}

{540803, 86118, 45034, 33578, 45824, 23307, 20542, 21727, 27653, 19752, 819301, 137472,
  95598, 76637, 71107, 88882, 97969, 54515, 56884, 90068, 1273196, 310497, 329458,
  368172, 310102, 336174, 321558, 331039, 356716, 127596, 3802207, 2293175, 2320037,
  1563547, 395825, 454685, 379628, 493793, 496954, 686965, 13478180, 4818234, 3116821,
  619019, 675509, 695260, 786119, 636005, 673929, 592552, 30525889, 3240072, 3863832,
  3889508, 3376754, 3463662, 3054011, 3193458, 2197181, 1843230, 42103954, 18672091,
  14365427, 13313450, 12871802, 14978125, 15640597, 17451040, 12880493, 14824062,
  184264989, 163151980, 190233564, 177188343, 118396160, 152584019, 160536852,
  143978984, 188096033, 141488688, 1782492074, 1604431101, 1723792726, 1603504745,
  1551822787, 1586039484, 1608260565, 1588239825, 1565340865, 1593274144}
```

```
dataPureDijxx = dataPureBFSxx
```

```
{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16,
  16, 16, 16, 16, 16, 16, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 64, 64, 64, 64,
  64, 64, 64, 64, 64, 64, 128, 128, 128, 128, 128, 128, 128, 128, 128, 128, 256,
  256, 256, 256, 256, 256, 256, 256, 256, 256, 512, 512, 512, 512, 512, 512, 512,
  512, 512, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024}
```

```
datapureDij = Transpose@{dataPureDijxx, dataPureDijyy}
```

```
{{4, 540803}, {4, 86118}, {4, 45034}, {4, 33578}, {4, 45824}, {4, 23307}, {4, 20542},
  {4, 21727}, {4, 27653}, {4, 19752}, {8, 819301}, {8, 137472}, {8, 95598}, {8, 76637},
  {8, 71107}, {8, 88882}, {8, 97969}, {8, 54515}, {8, 56884}, {8, 90068}, {16, 1273196},
  {16, 310497}, {16, 329458}, {16, 368172}, {16, 310102}, {16, 336174}, {16, 321558},
  {16, 331039}, {16, 356716}, {16, 127596}, {32, 3802207}, {32, 2293175}, {32, 2320037},
  {32, 1563547}, {32, 395825}, {32, 454685}, {32, 379628}, {32, 493793}, {32, 496954},
  {32, 686965}, {64, 13478180}, {64, 4818234}, {64, 3116821}, {64, 619019},
  {64, 675509}, {64, 695260}, {64, 786119}, {64, 636005}, {64, 673929}, {64, 592552},
  {128, 30525889}, {128, 3240072}, {128, 3863832}, {128, 3889508}, {128, 3376754},
  {128, 3463662}, {128, 3054011}, {128, 3193458}, {128, 2197181}, {128, 1843230},
  {256, 42103954}, {256, 18672091}, {256, 14365427}, {256, 13313450}, {256, 12871802},
  {256, 14978125}, {256, 15640597}, {256, 17451040}, {256, 12880493}, {256, 14824062},
  {512, 184264989}, {512, 163151980}, {512, 190233564}, {512, 177188343},
  {512, 118396160}, {512, 152584019}, {512, 160536852}, {512, 143978984},
  {512, 188096033}, {512, 141488688}, {1024, 1782492074}, {1024, 1604431101},
  {1024, 1723792726}, {1024, 1603504745}, {1024, 1551822787}, {1024, 1586039484},
  {1024, 1608260565}, {1024, 1588239825}, {1024, 1565340865}, {1024, 1593274144}}
```

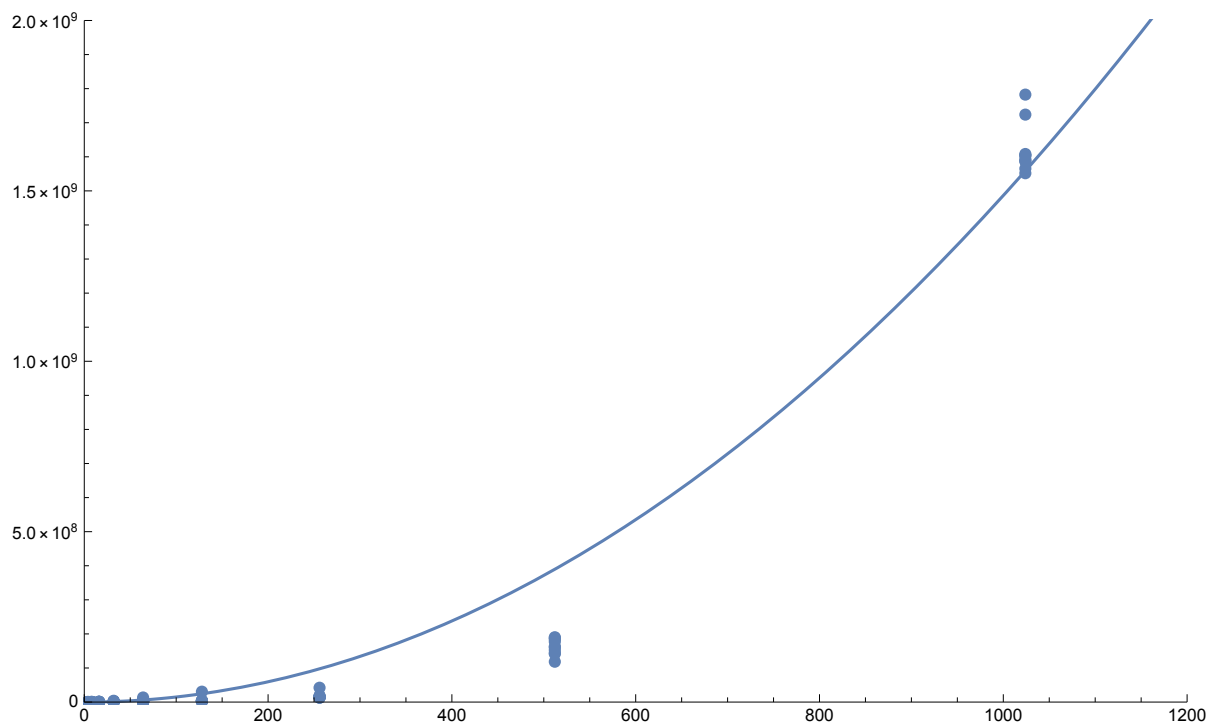
```
model12[v_] = Fit[datapureDij, v^2, v]
```

```
1486.33 v^2
```

```
model122[v_] = Normal[model12[v]]
```

```
-9.83132 × 107 + 210 992. v Log[v]
```

```
Show[ListPlot[datapureDij, PlotRange → {{0, 1200}, {0, 2 × 109}},  
Plot[model12[v], {v, 0, 1200}]]
```



```
1 593 274 144
```

```
1 593 274 144
```

```
ScientificForm[N[1 593 274 144, 10]]
```

```
1.593274144 × 109
```

```
dataIncreasingDijyy = {497743, 62021, 80192, 36738, 88882, 22912, 41873, 52144, 20937,
  19752, 697631, 71106, 202257, 107845, 107449, 75847, 101524, 59650, 121671,
  89673, 1064618, 361061, 381209, 379629, 320373, 350001, 305757, 340520, 363431,
  223985, 3420998, 2611178, 2337023, 2271448, 2343739, 475226, 437698, 367777,
  363037, 725678, 11858144, 4931610, 1554855, 598477, 635215, 611908, 605588,
  525791, 613489, 493003, 28174644, 3411123, 3628391, 3180028, 3285107, 2993571,
  2991596, 2960783, 1879574, 2091312, 45212480, 25356469, 22437560, 15714074,
  15838905, 18851833, 18058208, 21618654, 18888966, 13236419, 177976831,
  195929566, 218763740, 131057804, 146105455, 194959755, 166491995, 157792942,
  208712879, 161544584, 1660296078, 1627755514, 1601417383, 1646149105,
  1489694144, 1597428325, 1589599533, 1617210069, 1668312907, 1634688763}

{497743, 62021, 80192, 36738, 88882, 22912, 41873, 52144, 20937, 19752, 697631, 71106,
  202257, 107845, 107449, 75847, 101524, 59650, 121671, 89673, 1064618, 361061, 381209,
  379629, 320373, 350001, 305757, 340520, 363431, 223985, 3420998, 2611178, 2337023,
  2271448, 2343739, 475226, 437698, 367777, 363037, 725678, 11858144, 4931610,
  1554855, 598477, 635215, 611908, 605588, 525791, 613489, 493003, 28174644, 3411123,
  3628391, 3180028, 3285107, 2993571, 2991596, 2960783, 1879574, 2091312, 45212480,
  25356469, 22437560, 15714074, 15838905, 18851833, 18058208, 21618654, 18888966,
  13236419, 177976831, 195929566, 218763740, 131057804, 146105455, 194959755,
  166491995, 157792942, 208712879, 161544584, 1660296078, 1627755514, 1601417383,
  1646149105, 1489694144, 1597428325, 1589599533, 1617210069, 1668312907, 1634688763}
```

```
dataIncreasingDijxx = dataPureDijxx
```

```
{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16,
  16, 16, 16, 16, 16, 16, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 64, 64, 64, 64,
  64, 64, 64, 64, 64, 64, 128, 128, 128, 128, 128, 128, 128, 128, 128, 128, 256,
  256, 256, 256, 256, 256, 256, 256, 256, 256, 512, 512, 512, 512, 512, 512, 512,
  512, 512, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024}
```

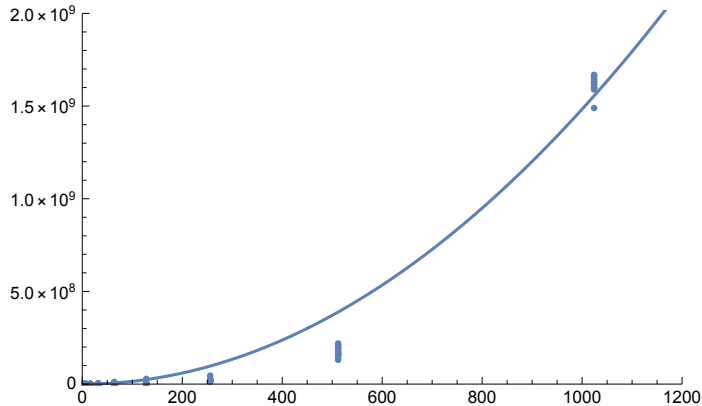
```
dataincreasingDij = Transpose@{dataIncreasingDijxx, dataIncreasingDijyy}
```

```
{{4, 497743}, {4, 62021}, {4, 80192}, {4, 36738}, {4, 88882}, {4, 22912}, {4, 41873},
  {4, 52144}, {4, 20937}, {4, 19752}, {8, 697631}, {8, 71106}, {8, 202257}, {8, 107845},
  {8, 107449}, {8, 75847}, {8, 101524}, {8, 59650}, {8, 121671}, {8, 89673},
  {16, 1064618}, {16, 361061}, {16, 381209}, {16, 379629}, {16, 320373}, {16, 350001},
  {16, 305757}, {16, 340520}, {16, 363431}, {16, 223985}, {32, 3420998}, {32, 2611178},
  {32, 2337023}, {32, 2271448}, {32, 2343739}, {32, 475226}, {32, 437698}, {32, 367777},
  {32, 363037}, {32, 725678}, {64, 11858144}, {64, 4931610}, {64, 1554855}, {64, 598477},
  {64, 635215}, {64, 611908}, {64, 605588}, {64, 525791}, {64, 613489}, {64, 493003},
  {128, 28174644}, {128, 3411123}, {128, 3628391}, {128, 3180028}, {128, 3285107},
  {128, 2993571}, {128, 2991596}, {128, 2960783}, {128, 1879574}, {128, 2091312},
  {256, 45212480}, {256, 25356469}, {256, 22437560}, {256, 15714074}, {256, 15838905},
  {256, 18851833}, {256, 18058208}, {256, 21618654}, {256, 18888966}, {256, 13236419},
  {512, 177976831}, {512, 195929566}, {512, 218763740}, {512, 131057804},
  {512, 146105455}, {512, 194959755}, {512, 166491995}, {512, 157792942},
  {512, 208712879}, {512, 161544584}, {1024, 1660296078}, {1024, 1627755514},
  {1024, 1601417383}, {1024, 1646149105}, {1024, 1489694144}, {1024, 1597428325},
  {1024, 1589599533}, {1024, 1617210069}, {1024, 1668312907}, {1024, 1634688763}}
```

```
model3[v_] = Fit[dataincreasingDij, v^2, v]
```

```
1482.97 v^2
```

```
Show[ListPlot[dataincreasingDij, PlotRange → {{0, 1200}, {0, 2 * 10^9}}],  
Plot[model3[v], {v, 0, 1200}]]
```



```
dataincreasingBFSyy = {461795, 45824, 47009, 34763, 25282, 27652, 30022, 55305, 21727,  
23307, 952823, 120880, 129177, 105869, 145768, 79007, 91253, 67156, 76636, 63600,  
2083412, 397009, 340520, 407280, 412811, 346445, 331039, 243737, 383973, 306942,  
5182456, 1885894, 1874438, 1459653, 361852, 523816, 604007, 343680, 738714,  
767947, 18970343, 5178506, 1568287, 1432395, 1476639, 1469133, 1326131, 1030645,  
843793, 1373140, 44222918, 10145669, 9436977, 11143921, 9488727, 12152049,  
9602497, 9975409, 7972980, 9781052, 122824496, 109316689, 111063136, 93711644,  
89865590, 93062603, 102606635, 104133443, 86136860, 90428513, 1127726083,  
1084514848, 967769537, 1078211284, 992140396, 1022268485, 1021742299, 1041782001,  
1063383272, 992676457, 13702352627, 12600627315, 15049289630, 14076505525,  
15061360301, 14867503086, 14662453756, 13747698629, 13569159663, 14314119517}
```

```
{461795, 45824, 47009, 34763, 25282, 27652, 30022, 55305, 21727, 23307, 952823,  
120880, 129177, 105869, 145768, 79007, 91253, 67156, 76636, 63600, 2083412,  
397009, 340520, 407280, 412811, 346445, 331039, 243737, 383973, 306942, 5182456,  
1885894, 1874438, 1459653, 361852, 523816, 604007, 343680, 738714, 767947,  
18970343, 5178506, 1568287, 1432395, 1476639, 1469133, 1326131, 1030645, 843793,  
1373140, 44222918, 10145669, 9436977, 11143921, 9488727, 12152049, 9602497,  
9975409, 7972980, 9781052, 122824496, 109316689, 111063136, 93711644, 89865590,  
93062603, 102606635, 104133443, 86136860, 90428513, 1127726083, 1084514848,  
967769537, 1078211284, 992140396, 1022268485, 1021742299, 1041782001,  
1063383272, 992676457, 13702352627, 12600627315, 15049289630, 14076505525,  
15061360301, 14867503086, 14662453756, 13747698629, 13569159663, 14314119517}
```

```
dataincreasingBFSxx = dataIncreasingDijxx
```

```
{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16,  
16, 16, 16, 16, 16, 16, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32, 64, 64, 64, 64,  
64, 64, 64, 64, 64, 64, 128, 128, 128, 128, 128, 128, 128, 128, 128, 128, 256,  
256, 256, 256, 256, 256, 256, 256, 256, 256, 256, 512, 512, 512, 512, 512, 512, 512,  
512, 512, 512, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024, 1024}
```

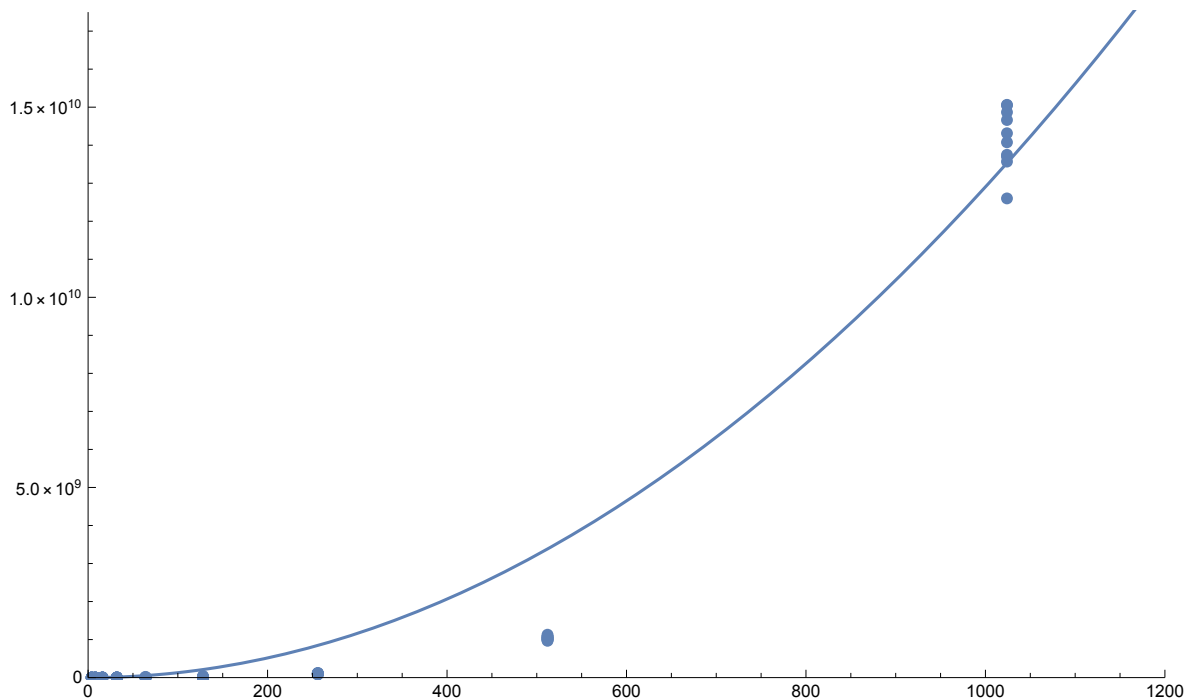
```
dataincreasingBFS = Transpose@{dataincreasingBFSxx, dataincreasingBFSyy}
```

```
{ {4, 461795}, {4, 45824}, {4, 47009}, {4, 34763}, {4, 25282}, {4, 27652},
  {4, 30022}, {4, 55305}, {4, 21727}, {4, 23307}, {8, 952823}, {8, 120880},
  {8, 129177}, {8, 105869}, {8, 145768}, {8, 79007}, {8, 91253}, {8, 67156},
  {8, 76636}, {8, 63600}, {16, 2083412}, {16, 397009}, {16, 340520}, {16, 407280},
  {16, 412811}, {16, 346445}, {16, 331039}, {16, 243737}, {16, 383973}, {16, 306942},
  {32, 5182456}, {32, 1885894}, {32, 1874438}, {32, 1459653}, {32, 361852},
  {32, 523816}, {32, 604007}, {32, 343680}, {32, 738714}, {32, 767947}, {64, 18970343},
  {64, 5178506}, {64, 1568287}, {64, 1432395}, {64, 1476639}, {64, 1469133},
  {64, 1326131}, {64, 1030645}, {64, 843793}, {64, 1373140}, {128, 44222918},
  {128, 10145669}, {128, 9436977}, {128, 11143921}, {128, 9488727}, {128, 12152049},
  {128, 9602497}, {128, 9975409}, {128, 7972980}, {128, 9781052}, {256, 122824496},
  {256, 109316689}, {256, 111063136}, {256, 93711644}, {256, 89865590}, {256, 93062603},
  {256, 102606635}, {256, 104133443}, {256, 86136860}, {256, 90428513},
  {512, 1127726083}, {512, 1084514848}, {512, 967769537}, {512, 1078211284},
  {512, 992140396}, {512, 1022268485}, {512, 1021742299}, {512, 1041782001},
  {512, 1063383272}, {512, 992676457}, {1024, 13702352627}, {1024, 12600627315},
  {1024, 15049289630}, {1024, 14076505525}, {1024, 15061360301}, {1024, 14867503086},
  {1024, 14662453756}, {1024, 13747698629}, {1024, 13569159663}, {1024, 14314119517}}
```

```
model4[v_] = Fit[dataincreasingBFS, v^2, v]
```

```
12902.7 v^2
```

```
Show[ListPlot[dataincreasingBFS, PlotRange -> {{0, 1200}, {0, 1.75 * 10^10}}],
  Plot[model4[v], {v, 0, 1200}]]
```



```
dataincreasingBruteyy = {32449707, 352766, 224774, 269413, 135892, 120485, 123250, 120881,
  100734, 120881, 8364854, 2511234, 2687815, 3308413, 3420208, 3934148, 3348312,
  2091708, 1408692, 1293343, 54402710727, 49508183335, 44729054584, 55571460344,
  52004964002, 43769434607, 56012156789, 54863641230, 47182143259, 45151013757}
```

```
{32449707, 352766, 224774, 269413, 135892, 120485, 123250, 120881, 100734, 120881,
  8364854, 2511234, 2687815, 3308413, 3420208, 3934148, 3348312, 2091708,
  1408692, 1293343, 54402710727, 49508183335, 44729054584, 55571460344,
  52004964002, 43769434607, 56012156789, 54863641230, 47182143259, 45151013757}
```

```
dataincreasingBrutexx =
```

```
{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16}
```

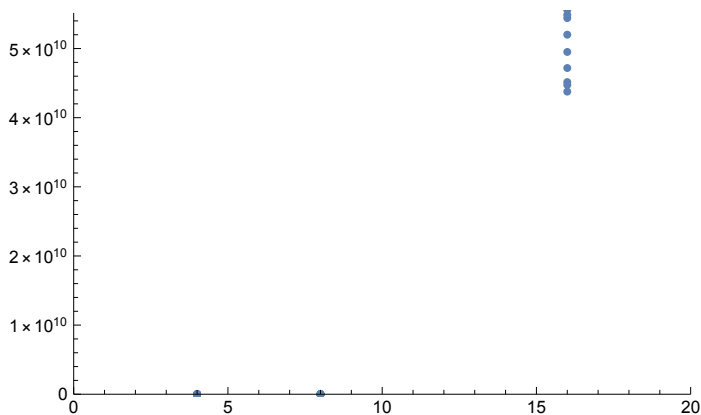
```
{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16, 16, 16, 16, 16, 16, 16}
```

```
dataincreasingBrute = Transpose@{dataincreasingBrutexx, dataincreasingBruteyy}
```

```
{{4, 32449707}, {4, 352766}, {4, 224774}, {4, 269413}, {4, 135892}, {4, 120485},
  {4, 123250}, {4, 120881}, {4, 100734}, {4, 120881}, {8, 8364854}, {8, 2511234},
  {8, 2687815}, {8, 3308413}, {8, 3420208}, {8, 3934148}, {8, 3348312},
  {8, 2091708}, {8, 1408692}, {8, 1293343}, {16, 54402710727}, {16, 49508183335},
  {16, 44729054584}, {16, 55571460344}, {16, 52004964002}, {16, 43769434607},
  {16, 56012156789}, {16, 54863641230}, {16, 47182143259}, {16, 45151013757}}
```

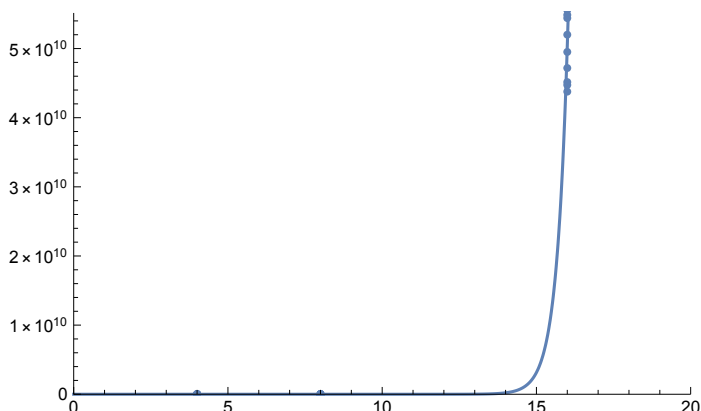
```
model5[v_] = Fit[dataincreasingBrute, v!, v]
```

```
0.00240501 v !
```





```
Show[ListPlot[dataIncreasingBrute, PlotRange → {{0, 20}, {0, 55151013757}}],  
Plot[model5[v], {v, 0, 32}]]
```


$$100 * \text{Abs} [61.2721865421079 - 61.272186279296875] / 61.2721865421079$$
$$4.28924 \times 10^{-7}$$

```
datapureBrutekey = {21875426, 237811, 229515, 283239, 250846, 188431, 150113, 121671,
167494, 113375, 7571229, 2980930, 3437984, 2895998, 10819203, 1513377, 1272406,
1404347, 989956, 1284256, 80335864977, 60276242037, 64812170615, 79421342919,
76326746003, 62778158942, 73196402817, 72371204362, 60569862035, 59178342238}
```

{21875426, 237811, 229515, 283239, 250846, 188431, 150113, 121671, 167494,  
113375, 7571229, 2980930, 3437984, 2895998, 10819203, 1513377, 1272406,  
1404347, 989956, 1284256, 80335864977, 60276242037, 64812170615, 79421342919,  
76326746003, 62778158942, 73196402817, 72371204362, 60569862035, 59178342238}

**datapureBrutexx =**

**{4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, 8, 8, 8, 16, 16, 16, 16, 16, 16, 16, 16, 16}**

[illegible]

79 421 342 919. / 2 895 998

27 424.5

```
datapureBrute = Transpose@{datapureBrutexx, datapureBruteyy}
```

{4, 21875426}, {4, 237811}, {4, 229515}, {4, 283239}, {4, 250846}, {4, 188431},  
{4, 150113}, {4, 121671}, {4, 167494}, {4, 113375}, {8, 7571229}, {8, 2980930},  
{8, 3437984}, {8, 2895998}, {8, 10819203}, {8, 1513377}, {8, 1272406},  
{8, 1404347}, {8, 989956}, {8, 1284256}, {16, 80335864977}, {16, 60276242037},  
{16, 64812170615}, {16, 79421342919}, {16, 76326746003}, {16, 62778158942},  
{16, 73196402817}, {16, 72371204362}, {16, 60569862035}, {16, 59178342238}

```
model6[v_] = Fit[datapureBrute, v!, v]
```

0.00329433 v !

```
Show[ListPlot[datapureBrute, PlotRange → {{0, 20}, {0, 82371204362}}],  
      Plot[model6[v], {v, 0, 32}]]
```

