./pegsol 8 AI 10000

./pegsol 8 AI 100000

./pegsol 8 AI 1000000

./pegsol 5 AI 1500000

./pegsol 7 AI 3000000

./pegsol 6 AI 5000000

./pegsol 6 AI 8000000

NOTE: the MakeFile here is run with the “-O3” flag

BLANK TABLE

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 |  |  |  |  |  |
| 100,000 |  |  |  |  |  |
| 1,000,000 |  |  |  |  |  |
| 1,500,000 |  |  |  |  |  |

* Pegsol 0

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Number of Pegs Left | Generated Nodes | Expanded Nodes | Expanded Nodes/Second | Execution Time |
| 10,000 | 2 | 2 | 1 | 10 | 0.187500 |
| 100,000 | 2 | 2 | 1 | 6 | 0.312500 |
| 1,000,000 | 2 | 2 | 1 | 6 | 0.296875 |
| 1,500,000 | 2 | 2 | 1 | 6 | 0.328125 |

* Pegsol 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 3 | 3 | 1 | 9 | 0.328125 |
| 100,000 | 3 | 3 | 1 | 8 | 0.343750 |
| 1,000,000 | 3 | 3 | 1 | 10 | 0.296875 |
| 1,500,000 | 3 | 3 | 1 | 9 | 0.328125 |

* Pegsol 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 7 | 8 | 1 | 20 | 0.343750 |
| 100,000 | 7 | 8 | 1 | 21 | 0.328125 |
| 1,000,000 | 7 | 8 | 1 | 22 | 0.312500 |
| 1,500,000 | 7 | 8 | 1 | 21 | 0.328125 |

* Pegsol 3

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 3541 | 10282 | 1 | 10301 | 0.343750 |
| 100,000 | 3541 | 10282 | 1 | 10301 | 0.343750 |
| 1,000,000 | 3541 | 10282 | 1 | 10301 | 0.343750 |
| 1,500,000 | 3541 | 10282 | 1 | 11927 | 0.296875 |

* Pegsol 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 1065 | 2418 | 1 | 2840 | 0.375000 |
| 100,000 | 1065 | 2418 | 1 | 3245 | 0.328125 |
| 1,000,000 | 1065 | 2418 | 1 | 3098 | 0.343750 |
| 1,500,000 | 1065 | 2418 | 1 | 3245 | 0.328125 |

* Pegsol 5

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 10000 | 26495 | 4 | 30476 | 0.328125 |
| 100,000 | 10000 | 359818 | 3 | 118518 | 0.843750 |
| 1,000,000 | 1000000 | 4488464 | 2 | 164524 | 6.078125 |
| 1,500,000 | 1090275 | 4898609 | 1 | 168544 | 6.468750 |

* Pegsol 6

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 10000 | 29368 | 5 | 25600 | 0.390625 |
| 100,000 | 100000 | 374378 | 4 | 142222 | 0.703125 |
| 1,000,000 | 1000000 | 4481233 | 3 | 164524 | 6.078125 |
| 1,500,000 | 1500000 | 7020668 | 3 | 160535 | 9.343750 |
| 3,000,000 | 3000000 | 14729710 | 3 | 153110 | 19.593750 |
| 5,000,000 | 5000000 | 24838155 | 3 | 73360 | 68.156250 |

* Pegsol 7

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 10000 | 32469 | 4 | 25600 | 0.390625 |
| 100,000 | 100000 | 386440 | 2 | 123076 | 0.812500 |
| 1,000,000 | 1000000 | 4790308 | 2 | 158024 | 6.328125 |
| 1,500,000 | 1500000 | 7173504 | 2 | 158154 | 9.484375 |
| 3,000,000 | 3000000 | 15143755 | 2 | 97067 | 30.906250 |
| 5,000,000 | 5000000 | 26115880 | 2 | 86932 | 57.515625 |

* Pegsol 8

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Budget | Expanded Nodes | Generated Nodes | # of Pegs Left | Expanded Nodes/Second | Execution Time |
| 10,000 | 10000 | 27562 | 6 | 27826 | 0.359375 |
| 100,000 | 100000 | 349921 | 4 | 123076 | 0.812500 |
| 1,000,000 | 1000000 | 4073028 | 4 | 177285 | 5.640625 |
| 1,500,000 | 1500000 | 6361454 | 4 | 172043 | 8.718750 |
| 3,000,000 | 3000000 | 13603617 | 4 | 295384 | 10.156250 |
| 5,000,000 | 5000000 | 23335070 | 4 | 153036 | 32.671875 |