

HW3. N queens problem

Deadline: 2021-11-13 23:59:59

generated at : 2022-1-15 03:00:01

[illegible]

| | | | | | | | | | | | | | | | | | | | |
|---------------------------|------|------------------------|-----|----------|-----|---|---|---|---|---------|-----|---------|---|-------|------|-------|----|----|----------------|
| 109550178 | 1.00 | 7.63 G | 4 s | 19.69 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 392 | 3.38 MB | 0 | 0.979 | 1.17 | 1.000 | 80 | 93 | 11/13 16:29:58 |
| baseline | 1.00 | 5.3 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 382 | 3.09 MB | 0 | 1.000 | 0.37 | 1.000 | 82 | 93 | 11/3 07:20:29 |
| 610001005 | 1.00 | 8.49 G | 3 s | 19.69 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 394 | 3.35 MB | 0 | 0.974 | 1.17 | 1.000 | 79 | 93 | 11/10 00:18:03 |
| 109550096 | 1.00 | 5.76 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 385 | 3.13 MB | 0 | 0.996 | 0.37 | 1.000 | 81 | 93 | 11/13 15:30:49 |
| 0812236 | 1.00 | 9.12 G | 3 s | 19.7 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 399 | 3.33 MB | 0 | 0.971 | 1.17 | 1.000 | 79 | 93 | 11/13 20:13:34 |
| 109550022 | 1.00 | 6.08 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 391 | 3.37 MB | 0 | 0.994 | 0.37 | 1.000 | 81 | 93 | 11/12 13:21:57 |
| 109550174 | 1.00 | 6.27 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 381 | 3.33 MB | 0 | 0.993 | 0.37 | 1.000 | 81 | 93 | 11/12 10:20:58 |
| 109550076 | 1.00 | 6.28 G | 4 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 387 | 3.26 MB | 0 | 0.992 | 0.37 | 1.000 | 81 | 93 | 10/31 23:02:12 |
| 109550052 | 1.00 | 6.34 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 386 | 3.29 MB | 0 | 0.992 | 0.37 | 1.000 | 81 | 93 | 11/10 08:44:30 |
| 109550146 | 1.00 | 6.42 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 383 | 3.24 MB | 0 | 0.992 | 0.37 | 1.000 | 81 | 93 | 11/12 12:53:45 |
| 109550130 | 1.00 | 6.66 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 384 | 3.09 MB | 0 | 0.990 | 0.37 | 1.000 | 81 | 93 | 11/11 22:31:55 |
| 109550026 | 1.00 | 9.73 G | 4 s | 19.7 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 407 | 3.54 MB | 0 | 0.965 | 1.17 | 1.000 | 79 | 93 | 11/13 23:58:59 |
| 109550150 | 1.00 | 7.02 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 381 | 3.13 MB | 0 | 0.988 | 0.37 | 1.000 | 81 | 93 | 11/11 19:10:32 |
| 109550070 | 1.00 | 7.22 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 392 | 3.31 MB | 0 | 0.986 | 0.37 | 1.000 | 80 | 93 | 11/12 00:17:50 |
| 109550056 | 1.00 | 7.27 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 390 | 3.29 MB | 0 | 0.986 | 0.37 | 1.000 | 80 | 93 | 11/12 19:46:57 |
| 109550156 | 1.00 | 7.36 G | 4 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 389 | 3.25 MB | 0 | 0.986 | 0.37 | 1.000 | 80 | 93 | 11/9 18:30:57 |
| 109550110 | 1.00 | 7.39 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 382 | 3.16 MB | 0 | 0.985 | 0.37 | 1.000 | 80 | 93 | 11/12 18:35:42 |
| 109550086 | 1.00 | 7.52 G | 3 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 386 | 3.16 MB | 0 | 0.985 | 0.37 | 1.000 | 80 | 92 | 11/9 23:14:55 |
| 109550160 | 1.00 | 7.71 G | 4 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 386 | 3.16 MB | 0 | 0.984 | 0.37 | 1.000 | 80 | 92 | 11/13 20:21:58 |

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|---------------------------|------|--------------------------|-------|----------|-----|---------|----|----|----|---------|--------|---------|----|-------|------|-------|----|----|----------------|
| 0812102 | 1.00 | 419.27 G | 1 m | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 389 | 3.17 MB | 0 | 0.837 | 0.37 | 1.000 | 68 | 88 | 11/11 17:09:03 |
| 0816078 | 1.00 | 493.72 G | 1 m | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 388 | 3.32 MB | 0 | 0.832 | 0.37 | 1.000 | 68 | 88 | 11/13 23:56:38 |
| 109550162 | 1.00 | 932.34 G | 2 m | 19.7 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 399 | 3.56 MB | 0 | 0.806 | 1.17 | 1.000 | 66 | 87 | 11/12 20:05:15 |
| 0816003 | 1.00 | 563.66 G | 1 m | 15.8 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 1.42 K | 3.41 MB | 0 | 0.827 | 0.37 | 1.000 | 67 | 87 | 11/12 23:29:17 |
| 109550001 | 1.00 | 3.28 G | 1 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 380 | 3.11 MB | 0 | 0 | 0.00 | 1.000 | 0 | 55 | 12/4 17:10:25 |
| 109550016 | 1.00 | 9.74 G | 3 s | 19.69 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 410 | 3.44 MB | 0 | 0 | 0.00 | 1.000 | 0 | 55 | 12/8 23:40:51 |
| 109550106 | 1.00 | 30.45 G | 8 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 389 | 3.18 MB | 0 | 0 | 0.00 | 1.000 | 0 | 55 | 11/19 15:37:00 |
| 109550154 | 1.00 | 43.62 G | 6 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 390 | 3.27 MB | 0 | 0 | 0.00 | 1.000 | 0 | 55 | 11/20 01:53:24 |
| 109550158 | 1.00 | 24.21 G | 4 s | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 385 | 3.33 MB | 0 | 0 | 0.00 | 1.000 | 0 | 55 | 11/14 00:11:42 |
| 610001007 | 1.00 | 9.15 G | 3 s | 15.45 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 380 | 3.04 MB | 0 | 0 | 0.00 | 1.000 | 0 | 55 | 11/22 21:45:30 |
| 0816074 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | 12 | 0 | 0.00 | 0.000 | 0 | 0 | 11/28 21:28:12 |
| 0816079 | 0.00 | 3.45 M | 10 ms | 15.46 MB | 0 B | 0 | 0 | 0 | 0 | cpp | 385 | 3.31 MB | 0 | 0 | 0.00 | 0.000 | 0 | 0 | 12/11 11:42:12 |
| 0817001 | 1.00 | 156.58 G | 27 s | 15.47 MB | 0 B | 72 | 0 | 0 | 0 | cpp | 383 | 3.09 MB | 0 | 0 | 0.00 | 0.025 | 0 | 0 | 11/15 16:33:27 |
| 109101012 | 0.80 | 24.55 G | 12 s | 15.46 MB | 0 B | 1339400 | 0 | 0 | 0 | cpp | 385 | 3.13 MB | 0 | 0 | 0.00 | 0.000 | 0 | 0 | 12/16 01:13:30 |
| 309551149 | 0.00 | 0 | 10 ms | 19.65 MB | 0 B | 0 | 0 | 0 | 0 | cpp_shm | 401 | 3.45 MB | 0 | 0 | 0.00 | 0.000 | 0 | 0 | 12/20 13:40:59 |

number of submission = 88

number of effective submission (priority>0) = 77

remaining p_score = 0.00

[Field Definitions](#)

```

if (gcc | illegal_func | illegal_header | missing),
    priority = 0
    func = 0
else,
    func = check * (0.95^m_error)
    if ( check==1 ),
        perf_I1 = lg(2+5692296949)/lg(2+I_refs)
        perf_I2 = lg(2+2600000)/lg(2+cpu_time) )
        perf_I = (perf_I1>0) ? perf_I1 : perf_I2
        priority = perf_I * max( lg(2+16207872)/lg(2+m_peak) , lg(2+382*3244032)/lg(2+flt*maxrss) )
    else,
        priority = 0

p_score = schedule(6000, priority)

if (m_peak > 0),
    func *= (m_peak-heap_lost)/m_peak

diversity = -ln( [number of effective submissions using the same language] / [number of effective submissions] ) * 1.00

score = min( func*(0.60*100 + 0.40*p_score + diversity), 100)

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