

HW6. BST

Deadline: 2021-12-30 23:59:59

generated at : 2022-1-15 03:05:02

id	check	I_refs	cpu_time	m_peak	lost	m.e.	gcc	i.f.	i.h.	lang	flt	maxrss	?	priority	diversity	func	p_score	score	submission_time
109550098	1.00	1.03 G	200 ms	32.21 MB	0 B	0	0	0	0	cpp	630	16.12 MB	0	1.106	0.07	1.000	100	100	12/30 16:43:37
109700045	1.00	1.24 G	220 ms	34.16 MB	0 B	0	0	0	0	cpp	484	17.37 MB	0	1.105	0.07	1.000	100	100	12/30 22:39:09
109550094	1.00	507.05 M	140 ms	27.33 MB	0 B	0	0	0	0	cpp	3.22 K	14.09 MB	0	1.076	0.07	1.000	100	100	12/30 15:37:27
109550133	1.00	1.06 G	240 ms	26.9 MB	0 B	0	0	0	0	cpp	2.77 K	12.29 MB	0	1.049	0.07	1.000	100	100	12/25 15:51:31
109550058	1.00	986.62 M	190 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.15 MB	0	1.031	0.07	1.000	100	100	12/29 17:16:26
109550074	1.00	919.98 M	160 ms	29.76 MB	0 B	0	0	0	0	cpp	3.96 K	17.06 MB	0	1.028	0.07	1.000	100	100	12/29 03:27:25
109550206	1.00	987.76 M	220 ms	29.34 MB	0 B	0	0	0	0	cpp	3.79 K	16.32 MB	0	1.028	0.07	1.000	100	100	12/29 22:24:10
109550174	1.00	1.12 G	220 ms	29.91 MB	0 B	0	0	0	0	cpp	3.39 K	17.37 MB	0	1.023	0.07	1.000	100	100	12/29 14:10:57
109550054	1.00	1.29 G	360 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.1 MB	0	1.017	0.07	1.000	100	100	12/30 23:49:38
109550082	1.00	1.29 G	350 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.16 MB	0	1.016	0.07	1.000	100	100	12/30 23:49:42
109550124	1.00	1.29 G	330 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.29 MB	0	1.016	0.07	1.000	100	100	12/30 23:56:13
109550018	1.00	1.31 G	280 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.09 MB	0	1.016	0.07	1.000	100	100	12/26 01:07:11
109550006	1.00	1.32 G	400 ms	29.33 MB	0 B	0	0	0	0	cpp	3.61 K	16.21 MB	0	1.015	0.07	1.000	100	100	12/30 03:15:56
109550096	1.00	1.33 G	380 ms	29.34 MB	0 B	0	0	0	0	cpp	3.62 K	16.09 MB	0	1.015	0.07	1.000	100	100	12/30 15:03:28
109550126	1.00	1.29 G	270 ms	29.34 MB	0 B	0	0	0	0	cpp	3.67 K	16.49 MB	0	1.015	0.07	1.000	100	100	12/29 10:48:54
0816138	1.00	1.33 G	260 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.31 MB	0	1.014	0.07	1.000	100	100	12/26 02:30:18
109550182	1.00	1.39 G	380 ms	29.33	0 B	0	0	0	0	cpp	3.61	16.07	0	1.013	0.07	1.000	100	100	12/26 01:26:40

				MB							K	MB							
109550130	1.00	1.39 G	340 ms	29.34 MB	0 B	0	0	0	0	cpp	3.62 K	16.27 MB	0	1.012	0.07	1.000	100	100	12/30 14:52:24
109652053	1.00	1.41 G	260 ms	29.34 MB	0 B	0	0	0	0	cpp	3.68 K	16.39 MB	0	1.011	0.07	1.000	100	100	12/24 16:44:29
109652026	1.00	1.47 G	280 ms	29.34 MB	0 B	0	0	0	0	cpp	3.69 K	16.59 MB	0	1.008	0.07	1.000	100	100	12/24 04:36:26
109550150	1.00	1.55 G	410 ms	29.37 MB	0 B	0	0	0	0	cpp	3.69 K	16.41 MB	0	1.006	0.07	1.000	100	100	12/29 02:55:48
109550168	1.00	1.55 G	390 ms	29.33 MB	0 B	0	0	0	0	cpp	3.69 K	16.56 MB	0	1.006	0.07	1.000	100	100	12/29 19:17:32
109550068	1.00	1.56 G	390 ms	29.34 MB	0 B	0	0	0	0	cpp	3.71 K	16.5 MB	0	1.005	0.07	1.000	100	100	12/26 19:51:48
109550158	1.00	1.56 G	400 ms	29.34 MB	0 B	0	0	0	0	cpp	3.72 K	16.63 MB	0	1.005	0.07	1.000	100	100	12/30 23:42:07
110550023	1.00	1.7 G	300 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.26 MB	0	1.003	0.07	1.000	100	100	12/30 14:52:30
109550134	1.00	1.68 G	340 ms	29.36 MB	0 B	0	0	0	0	cpp	3.72 K	16.57 MB	0	1.001	0.07	1.000	100	100	12/30 17:57:02
109550022	1.00	1.82 G	280 ms	29.9 MB	0 B	0	0	0	0	cpp	3.31 K	17.09 MB	0	1.001	0.07	1.000	100	100	12/30 20:00:36
109550178	1.00	1.73 G	620 ms	29.33 MB	0 B	0	0	0	0	cpp	3.66 K	16.39 MB	0	1.001	0.07	1.000	100	100	12/30 21:34:05
baseline	1.00	1.57 G	320 ms	30.33 MB	0 B	0	0	0	0	cpp	3.99 K	17.32 MB	0	1.000	0.07	1.000	100	100	12/23 20:49:18
109550160	1.00	1.93 G	320 ms	29.34 MB	0 B	0	0	0	0	cpp	3.72 K	16.51 MB	0	0.995	0.07	1.000	100	100	12/26 12:55:03
109550090	1.00	2.03 G	580 ms	29.34 MB	0 B	0	0	0	0	cpp	3.66 K	16.45 MB	0	0.994	0.07	1.000	100	100	12/30 23:41:26
109550156	1.00	2.11 G	500 ms	29.32 MB	0 B	0	0	0	0	cpp	3.62 K	16.27 MB	0	0.993	0.07	1.000	100	100	12/30 23:47:17
0811619	1.00	2.44 G	510 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.09 MB	0	0.987	0.07	1.000	100	100	12/30 23:38:44
109550184	1.00	2.4 G	500 ms	29.34 MB	0 B	0	0	0	0	cpp	3.68 K	16.34 MB	0	0.986	0.07	1.000	100	100	12/30 21:31:18
109550086	1.00	1.54 G	370 ms	41.11 MB	0 B	0	0	0	0	cpp	6.68 K	28.53 MB	0	0.984	0.07	1.000	100	100	12/30 20:18:45
0816068	1.00	3.29 G	540 ms	29.33	0 B	0	0	0	0	cpp	3.62	16.29	0	0.973	0.07	1.000	100	100	12/30 09:25:58

				MB							K	MB							
109550071	1.00	3.29 G	570 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.3 MB	0	0.973	0.07	1.000	100	100	12/30 14:00:51
0816078	1.00	3.21 G	720 ms	29.35 MB	0 B	0	0	0	0	cpp	3.71 K	16.49 MB	0	0.972	0.07	1.000	100	100	12/30 23:23:17
0712254	1.00	3.1 G	1 s	29.33 MB	0 B	0	0	0	0	cpp	3.81 K	16.91 MB	0	0.972	0.07	1.000	100	100	12/27 01:06:07
109550052	1.00	1.67 G	360 ms	49.5 MB	0 B	0	0	0	0	cpp	8.77 K	36.77 MB	0	0.970	0.07	1.000	100	100	12/30 04:27:46
0816077	1.00	3.67 G	600 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.13 MB	0	0.968	0.07	1.000	100	100	12/23 02:38:30
109550142	1.00	3.67 G	600 ms	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.18 MB	0	0.968	0.07	1.000	100	100	12/30 21:15:22
109550053	1.00	3.94 G	640 ms	29.36 MB	0 B	0	0	0	0	cpp	3.62 K	16.27 MB	0	0.965	0.07	1.000	100	100	12/30 22:08:14
109550164	1.00	4.51 G	850 ms	29.34 MB	0 B	0	0	0	0	cpp	3.62 K	16.3 MB	0	0.959	0.07	1.000	100	100	12/30 02:13:44
109550128	1.00	5.22 G	810 ms	29.34 MB	0 B	0	0	0	0	cpp	3.62 K	16.18 MB	0	0.953	0.07	1.000	100	100	12/20 21:55:14
610001007	1.00	5.79 G	950 ms	29.36 MB	0 B	0	0	0	0	cpp	3.68 K	16.66 MB	0	0.947	0.07	1.000	100	100	12/22 17:55:23
109550002	1.00	2.06 G	310 ms	108.25 MB	0 B	0	0	0	0	cpp	3.49 K	95.25 MB	0	0.929	0.07	1.000	100	100	12/29 23:29:40
0813463	1.00	2.71 G	590 ms	83.34 MB	0 B	0	0	0	0	cpp	15.23 K	64.63 MB	0	0.921	0.07	1.000	100	100	12/22 12:03:58
0712211	1.00	1.59 G	420 ms	137.32 MB	0 B	0	0	0	0	cpp	30.94 K	125.19 MB	0	0.919	0.07	1.000	100	100	12/26 01:01:28
0711624	1.00	12.59 G	2 s	29.33 MB	0 B	0	0	0	0	cpp	3.62 K	16.3 MB	0	0.917	0.07	1.000	100	100	12/30 15:00:03
109550076	1.00	8.59 G	1 s	92.16 MB	0 B	0	0	0	0	python	5.83 K	24.18 MB	0	0.900	2.69	1.000	100	100	12/29 02:45:30
610001005	1.00	19.04 G	3 s	29.37 MB	0 B	0	0	0	0	cpp	3.65 K	16.33 MB	0	0.900	0.07	1.000	100	100	12/27 20:24:19
109550100	1.00	9.13 G	2 s	92.16 MB	0 B	0	0	0	0	python	6.29 K	24.84 MB	0	0.894	2.69	1.000	100	100	12/29 23:02:36
109550132	1.00	9.19 G	2 s	92.16 MB	0 B	0	0	0	0	python	6.29 K	24.83 MB	0	0.894	2.69	1.000	100	100	12/29 23:09:16
109550118	1.00	9.19 G	2 s	92.16	0 B	0	0	0	0	python	6.29	24.86	0	0.894	2.69	1.000	100	100	12/30 11:06:45

				MB							K	MB							
109550146	1.00	27.94 G	4 s	29.33 MB	0 B	0	0	0	0	cpp	3.8 K	17.03 MB	0	0.883	0.07	1.000	100	100	12/29 18:24:32
0812236	1.00	2.87 G	600 ms	180.02 MB	0 B	0	0	0	0	cpp_shm	5.92 K	158.92 MB	0	0.882	0.07	1.000	100	100	12/30 21:11:14
109652017	1.00	1.72 G	410 ms	29.36 MB	88 B	1	0	0	0	cpp	3.62 K	16.13 MB	0	1.003	0.07	0.950	100	95	12/30 21:51:42
109550026	1.00	9.26 G	1 s	29.34 MB	1007.66 KB	2	0	0	0	cpp	3.64 K	16.38 MB	0	0.928	0.07	0.872	100	87	12/30 23:44:36
109550038	1.00	1.29 G	370 ms	29.33 MB	0 B	0	0	0	0	cpp	3.61 K	16.09 MB	0	0	0.00	1.000	0	55	1/6 15:33:11
109550110	1.00	3.58 G	940 ms	30.34 MB	0 B	0	0	0	0	cpp	33.94 K	16.86 MB	0	0	0.00	1.000	0	55	1/12 18:35:20
109550154	1.00	1.56 G	290 ms	180.02 MB	0 B	0	0	0	0	cpp_shm	5.86 K	158.79 MB	0	0	0.00	1.000	0	55	1/5 19:33:39
0713339	1.00	3.69 G	860 ms	177.02 MB	0 B	0	0	0	0	cpp_shm	5.32 K	156.57 MB	0	0	0.00	0.999	0	55	1/1 16:13:00
109550046	0.99	3.71 G	730 ms	29.34 MB	0 B	0	0	0	0	cpp	3.81 K	16.86 MB	0	0	0.00	0.991	0	54	12/31 00:01:52
109550088	1.00	1.92 G	440 ms	29.34 MB	1007.66 KB	1	0	0	0	cpp	3.63 K	16.16 MB	0	0	0.00	0.918	0	50	1/1 16:47:56
109550070	0.83	9.05 G	1 s	32.73 MB	0 B	0	0	0	0	cpp	3.14 K	20.19 MB	0	0	0.00	0.831	0	50	12/30 23:29:23
109550016	0.83	3.53 G	1 s	179.91 MB	0 B	0	0	0	0	cpp_shm	10.71 K	159.21 MB	0	0	0.00	0.830	0	50	12/25 14:09:54
109550044	0.83	2.41 G	460 ms	76.49 MB	0 B	0	0	0	0	cpp	14.03 K	63.77 MB	0	0	0.00	0.830	0	50	12/30 11:11:50
109550049	0.83	1.34 G	380 ms	29.34 MB	0 B	0	0	0	0	cpp	3.63 K	16.35 MB	0	0	0.00	0.830	0	50	12/30 22:49:31
109550066	0.83	92.32 G	22 s	179.02 MB	0 B	0	0	0	0	cpp_shm	5.8 K	158.52 MB	0	0	0.00	0.830	0	50	12/30 02:38:08
109652042	0.83	2.06 G	450 ms	29.34 MB	0 B	0	0	0	0	cpp	3.63 K	16.36 MB	0	0	0.00	0.830	0	50	12/30 22:49:08
109550162	0.83	744.58 G	2 m	144.1 MB	0 B	0	0	0	0	python	19.33 K	75.62 MB	0	0	0.00	0.830	0	50	12/30 23:57:50
M093638	0.83	11.33 G	2 s	197.98 MB	0 B	0	0	0	0	python	31.57 K	127.11 MB	0	0	0.00	0.830	0	50	12/30 23:44:31
109550085	0.82	8.4 G	3 s	87.32	488 B	0	0	0	0	cpp	18.17	74.58	0	0	0.00	0.822	0	49	12/30 23:32:28

				MB							K	MB							
109101012	0.10	181.63 M	50 ms	23.33 MB	0 B	0	0	0	0	cpp	2.36 K	11.23 MB	0	0	0.00	0.102	0	1	1/14 02:06:48
0511258	0.00	870.01 M	150 ms	259.99 MB	0 B	0	0	0	0	cpp_shm	6.62 K	195.41 MB	0	0	0.00	0.000	0	0	12/30 18:04:34
0717030	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	0	0.00	0.000	0	0	1/5 23:33:24
0812102	0.07	-1	10 m	-1	-1	-1	0	0	0	-1	3.81 K	14.92 MB	5	0	0.00	0.000	0	0	12/31 08:50:51
0816003	0.00	-1	-1	-1	-1	-1	0	0	0	-1	-1	-1	8	0	0.00	0.000	0	0	12/28 16:55:44
109550001	0.00	2.79 M	10 ms	15.48 MB	0 B	0	0	0	0	cpp	380	3.19 MB	0	0	0.00	0.000	0	0	1/3 00:57:56
109550020	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	0	0.00	0.000	0	0	12/30 23:58:40
109550056	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	0	0.00	0.000	0	0	12/30 20:15:20
109550106	0.03	-1	5 m	-1	-1	-1	0	0	0	-1	3.68 K	16.43 MB	5	0	0.00	0.000	0	0	12/31 01:29:42

number of submission = 83

number of effective submission (priority>0) = 59

remaining p_score = 100.00

[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+1688495441)/lg(2+I_refs)
    perf_I2 = lg(2+320000)/lg(2+cpu_time) )
    perf_I = (perf_I1>0) ? perf_I1 : perf_I2
    priority = perf_I * max( lg(2+31805440)/lg(2+m_peak) , lg(2+4086*18161664)/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)
```