

HW4. Increasing Pairs

Deadline: 2021-11-27 23:59:59

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

id	check	l_refs	cpu_time	m_peak	lost	m.e.	gcc	i.f.	i.h.	lang	flt	maxrss	?	priority	diversity	func	p_score	score	submission_time
109550074	1.00	135.04 M	180 ms	76.11 MB	0 B	0	0	0	0	cpp_shm	439	10.14 MB	0	1.135	0.91	1.000	90	97	11/27 20:32:03
109550206	1.00	173.85 M	110 ms	63.52 MB	0 B	0	0	0	0	cpp_shm	435	8.09 MB	0	1.132	0.91	1.000	90	97	11/27 16:45:48
109550098	1.00	185.39 M	120 ms	67.8 MB	0 B	0	0	0	0	cpp_shm	442	10.2 MB	0	1.115	0.91	1.000	88	96	11/27 08:46:01
109550076	1.00	244.24 M	120 ms	61.62 MB	0 B	0	0	0	0	cpp_shm	1.38 K	9.59 MB	0	1.048	0.91	1.000	83	94	11/17 14:54:27
109550178	1.00	343.33 M	150 ms	63.54 MB	0 B	0	0	0	0	cpp_shm	925	10.09 MB	0	1.046	0.91	1.000	83	94	11/27 16:20:19
109550068	1.00	287.94 M	120 ms	62.57 MB	0 B	0	0	0	0	cpp_shm	1.12 K	10.93 MB	0	1.042	0.91	1.000	83	94	11/26 17:29:57
109550133	1.00	280.01 M	110 ms	61.61 MB	0 B	0	0	0	0	cpp_shm	1.39 K	9.3 MB	0	1.041	0.91	1.000	83	94	11/6 01:27:17
109550156	1.00	362.9 M	120 ms	61.81 MB	0 B	0	0	0	0	cpp_shm	1.22 K	8.92 MB	0	1.035	0.91	1.000	82	94	11/25 22:37:53
109550160	1.00	343.86 M	240 ms	61.62 MB	0 B	0	0	0	0	cpp_shm	1.39 K	9.48 MB	0	1.030	0.91	1.000	82	94	11/27 12:26:52
0712211	1.00	366.94 M	150 ms	61.61 MB	0 B	0	0	0	0	cpp_shm	1.38 K	9.29 MB	0	1.028	0.91	1.000	81	94	11/5 22:17:11
109550022	1.00	451.39 M	150 ms	61.61 MB	0 B	0	0	0	0	cpp_shm	1.39 K	9.99 MB	0	1.013	0.91	1.000	80	93	11/27 10:29:29
0812236	1.00	370.62 M	140 ms	65.43 MB	0 B	0	0	0	0	cpp_shm	1.33 K	13.84 MB	0	1.011	0.91	1.000	80	93	11/27 20:50:36
109550094	1.00	609.93 M	200 ms	61.62 MB	0 B	0	0	0	0	cpp_shm	1.38 K	7.86 MB	0	1.009	0.91	1.000	80	93	11/27 11:59:33
110550023	1.00	254.49 M	150 ms	73.05 MB	0 B	0	0	0	0	cpp_shm	1.51 K	20.61 MB	0	1.008	0.91	1.000	80	93	11/27 23:54:11
610001005	1.00	339.43 M	140 ms	63.61 MB	0 B	0	0	0	0	cpp_shm	2.02 K	11.59 MB	0	1.006	0.91	1.000	80	93	11/26 00:20:05
109550058	1.00	511.59 M	160 ms	61.73 MB	0 B	0	0	0	0	cpp_shm	2.09 K	10 MB	0	0.990	0.91	1.000	79	92	11/24 14:24:49

109550053	1.00	522.92 M	140 ms	61.73 MB	0 B	0	0	0	0	cpp_shm	2.08 K	9.82 MB	0	0.990	0.91	1.000	78	92	11/25 15:15:22
109652026	1.00	839.64 M	210 ms	19.29 MB	0 B	0	0	0	0	cpp	1.33 K	7 MB	0	1.000	0.54	1.000	79	92	11/26 02:58:42
baseline	1.00	838.91 M	210 ms	19.3 MB	0 B	0	0	0	0	cpp	1.34 K	6.95 MB	0	1.000	0.54	1.000	79	92	11/5 14:32:01
109550052	1.00	853.06 M	220 ms	20.32 MB	0 B	0	0	0	0	cpp	1.45 K	6.28 MB	0	1.000	0.54	1.000	79	92	11/24 21:22:19
0711624	1.00	902.11 M	230 ms	18.41 MB	0 B	0	0	0	0	cpp	2.04 K	7.85 MB	0	0.999	0.54	1.000	79	92	11/27 23:37:41
109550088	1.00	550.93 M	170 ms	61.95 MB	0 B	0	0	0	0	cpp_shm	2.21 K	10.09 MB	0	0.984	0.91	1.000	78	92	11/26 00:41:48
109550134	1.00	869.76 M	190 ms	20.32 MB	0 B	0	0	0	0	cpp	2.09 K	7.75 MB	0	0.995	0.54	1.000	79	92	11/25 05:11:30
109550126	1.00	776.57 M	230 ms	23.18 MB	0 B	0	0	0	0	cpp	2 K	10.53 MB	0	0.993	0.54	1.000	79	92	11/25 01:45:04
109652017	1.00	802.12 M	200 ms	23.56 MB	0 B	0	0	0	0	cpp	1.89 K	10.62 MB	0	0.990	0.54	1.000	79	92	11/27 16:48:37
109550146	1.00	938.83 M	380 ms	21.18 MB	0 B	0	0	0	0	cpp	1.3 K	8.86 MB	0	0.989	0.54	1.000	78	92	11/23 07:54:05
109550106	1.00	840.56 M	190 ms	23.39 MB	0 B	0	0	0	0	cpp	2.57 K	10.74 MB	0	0.989	0.54	1.000	78	92	11/25 04:57:02
109550158	1.00	1.1 G	240 ms	19.5 MB	0 B	0	0	0	0	cpp	1.9 K	6.87 MB	0	0.985	0.54	1.000	78	92	11/27 20:12:12
0816138	1.00	938.95 M	220 ms	23.21 MB	0 B	0	0	0	0	cpp	3.3 K	10.76 MB	0	0.984	0.54	1.000	78	92	11/25 17:11:44
109550056	1.00	1.01 G	250 ms	23.4 MB	0 B	0	0	0	0	cpp	2.83 K	10.51 MB	0	0.979	0.54	1.000	78	92	11/27 23:51:04
109550006	1.00	326.88 M	670 ms	80.67 MB	0 B	0	0	0	0	cpp_shm	6.15 K	29.07 MB	0	0.966	0.91	1.000	77	92	11/25 17:42:16
109550026	1.00	339.43 M	520 ms	80.66 MB	0 B	0	0	0	0	cpp_shm	6.15 K	29.06 MB	0	0.964	0.91	1.000	76	91	11/23 00:02:06
109700045	1.00	1.21 G	250 ms	23.36 MB	0 B	0	0	0	0	cpp	3.27 K	9.75 MB	0	0.970	0.54	1.000	77	91	11/22 13:37:03
109550070	1.00	381.36 M	530 ms	80.66 MB	0 B	0	0	0	0	cpp_shm	6.15 K	29.05 MB	0	0.958	0.91	1.000	76	91	11/27 11:34:56
109652053	1.00	1.23 G	250 ms	23.21 MB	0 B	0	0	0	0	cpp	3.49 K	8.77 MB	0	0.970	0.54	1.000	77	91	11/27 03:26:14

109550096	1.00	364.53 M	490 ms	84.48 MB	0 B	0	0	0	0	cpp_shm	6.71 K	32.59 MB	0	0.958	0.91	1.000	76	91	11/26 00:13:43
109550130	1.00	372.06 M	490 ms	84.48 MB	0 B	0	0	0	0	cpp_shm	6.71 K	32.68 MB	0	0.957	0.91	1.000	76	91	11/27 15:43:40
109550150	1.00	1.21 G	280 ms	25.14 MB	0 B	0	0	0	0	cpp	4.03 K	10.65 MB	0	0.966	0.54	1.000	77	91	11/24 00:32:10
109550018	1.00	1.26 G	260 ms	25.33 MB	0 B	0	0	0	0	cpp	5.09 K	10.74 MB	0	0.964	0.54	1.000	76	91	11/25 13:09:42
109550132	1.00	1.46 G	310 ms	23.37 MB	0 B	0	0	0	0	cpp	2.39 K	10.69 MB	0	0.962	0.54	1.000	76	91	11/27 03:45:23
109550174	1.00	1.16 G	550 ms	30.72 MB	0 B	0	0	0	0	cpp	1.13 K	18.42 MB	0	0.957	0.54	1.000	76	91	11/27 10:27:59
109550038	1.00	1.28 G	250 ms	29.03 MB	0 B	0	0	0	0	cpp	5.83 K	14.6 MB	0	0.956	0.54	1.000	76	91	11/24 17:35:56
109550054	1.00	1.32 G	270 ms	29.04 MB	0 B	0	0	0	0	cpp	6.18 K	15.97 MB	0	0.954	0.54	1.000	76	91	11/24 16:49:57
109550082	1.00	1.32 G	320 ms	29.04 MB	0 B	0	0	0	0	cpp	5.74 K	14.11 MB	0	0.954	0.54	1.000	76	91	11/27 23:35:24
109550046	1.00	1.23 G	260 ms	31.03 MB	0 B	0	0	0	0	cpp	5.38 K	16.56 MB	0	0.954	0.54	1.000	76	91	11/26 00:00:45
109550071	1.00	1.26 G	280 ms	31.03 MB	0 B	0	0	0	0	cpp	5.3 K	15.48 MB	0	0.953	0.54	1.000	76	91	11/26 15:47:21
109550182	1.00	1.28 G	300 ms	30.84 MB	0 B	0	0	0	0	cpp	6.01 K	14.77 MB	0	0.952	0.54	1.000	76	91	11/25 12:47:55
109550002	1.00	1.28 G	260 ms	31.03 MB	0 B	0	0	0	0	cpp	5.5 K	17.02 MB	0	0.952	0.54	1.000	76	91	11/23 21:33:22
109550164	1.00	1.29 G	290 ms	31.03 MB	0 B	0	0	0	0	cpp	5.59 K	14.57 MB	0	0.952	0.54	1.000	75	91	11/26 02:22:39
109550090	1.00	952.53 M	570 ms	41.27 MB	0 B	0	0	0	0	cpp	6.89 K	27.68 MB	0	0.951	0.54	1.000	75	91	11/26 15:15:36
109550168	1.00	895.23 M	480 ms	45.95 MB	0 B	0	0	0	0	cpp	7.21 K	33.61 MB	0	0.948	0.54	1.000	75	91	11/23 00:49:24
109550086	1.00	653.14 M	190 ms	61.09 MB	0 B	0	0	0	0	cpp	6.32 K	41.4 MB	0	0.947	0.54	1.000	75	91	11/24 20:47:52
109550044	1.00	895.6 M	640 ms	48.48 MB	0 B	0	0	0	0	cpp	9.03 K	35.61 MB	0	0.945	0.54	1.000	75	91	11/24 12:13:18
109550001	1.00	2.36 G	580 ms	21.57	0 B	0	0	0	0	cpp	1.84	8.86	0	0.945	0.54	1.000	75	91	11/26 04:52:20

[illegible]

109550124	1.00	353.84 G	54 s	23.21 MB	0 B	0	0	0	0	cpp	3.96 K	10.6 MB	0	0.764	0.54	1.000	61	85	11/25 18:48:44
109550184	1.00	337.33 G	4 m	25.13 MB	0 B	0	0	0	0	cpp	10.69 K	12.34 MB	0	0.762	0.54	1.000	60	85	11/27 22:47:55
0816003	1.00	1.35 T	13 m	59.9 MB	0 B	0	0	0	0	cpp_shm	980	6.11 MB	0	0.750	0.91	1.000	59	85	11/27 16:26:07
109550100	1.00	823.65 G	2 m	19.27 MB	0 B	0	0	0	0	cpp	958	6.88 MB	0	0.761	0.54	1.000	60	85	11/26 16:30:27
0816077	1.00	647.22 G	5 m	21.55 MB	0 B	0	0	0	0	cpp	2.02 K	7.66 MB	0	0.750	0.54	1.000	60	84	11/27 22:17:38
109652042	1.00	647.22 G	5 m	21.55 MB	0 B	0	0	0	0	cpp	1.83 K	7.33 MB	0	0.750	0.54	1.000	60	84	11/25 17:13:56
0813463	1.00	243.13 G	29 m	46.95 MB	0 B	0	0	0	0	cpp	6.57 K	32.74 MB	0	0.744	0.54	1.000	59	84	11/19 13:49:03
0811619	1.00	500.08 G	4 m	45.95 MB	0 B	0	0	0	0	cpp	7.19 K	33.29 MB	0	0.725	0.54	1.000	58	84	11/25 10:08:17
109550049	1.00	661.76 G	3 m	62.13 MB	0 B	0	0	0	0	cpp	3.31 K	17.08 MB	0	0.706	0.54	1.000	56	83	11/25 18:11:22
109550162	1.00	558.6 G	2 m	65.43 MB	0 B	1	0	0	0	cpp_shm	860	11.19 MB	0	0.759	0.91	0.950	60	81	11/26 18:08:22
0816079	1.00	940.74 G	2 m	57.8 MB	0 B	0	0	0	0	cpp_shm	446	6.33 MB	0	0	0.00	1.000	0	55	12/10 20:14:40
0511258	0.91	24.13 G	10 s	57.8 MB	0 B	0	0	0	0	cpp_shm	408	4.24 MB	0	0	0.00	0.909	0	55	11/27 22:57:11
0812249	0.91	9.42 G	1 s	57.8 MB	0 B	0	0	0	0	cpp_shm	407	4.25 MB	0	0	0.00	0.909	0	55	11/27 21:09:58
109550154	0.36	411.6 G	45 s	57.8 MB	0 B	0	0	0	0	cpp_shm	442	6.08 MB	0	0	0.00	0.364	0	22	11/27 22:48:44
0816074	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	0	0.00	0.000	0	0	12/1 23:22:07
109550153	0.00	3.32 K	10 ms	57.79 MB	532 B	1	0	0	0	cpp_shm	413	4.44 MB	0	0	0.00	0.000	0	0	11/27 23:54:03

number of submission = 88

number of effective submission (priority>0) = 82

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+879661287)/lg(2+I_refs)
    perf_I2 = lg(2+210000)/lg(2+cpu_time) )
    perf_I = (perf_I1>0) ? perf_I1 : perf_I2
    priority = perf_I * max( lg(2+20242432)/lg(2+m_peak) , lg(2+1369*7286784)/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)
```