## HW9. Vertex Coloring

Deadline: 2022-1-14 23:59:59

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

id	obook	L rofo	onu timo	m nook	loot	m a	200	: £	i h	long	£I4	maxrss	2	priority	divoraity	funo	n 00040	20040	aubmission time
Id	Check		cpu_time		เอรเ	m.e.	gcc	1.1.	1.11.	lang	III		•	priority	uiversity	Tune	p_score	score	submission_time
109550098	1.00	<u>2.73</u> <u>M</u>	10 ms	15.47 MB	0 B	0	0	0	0	срр	362	2.79 MB	0	1.013	0.01	1.000	76	90	1/14 13:18:02
109550074	1.00	2.73 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	363	2.82 MB	0	1.012	0.01	1.000	76	90	1/13 21:27:37
109550094	1.00	2.75 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	365	2.86 MB	0	1.010	0.01	1.000	76	90	1/6 13:52:31
109550133	1.00	2.75 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	373	2.88 MB	0	1.009	0.01	1.000	76	90	1/6 16:00:05
109550206	1.00	2.78 <u>M</u>	10 ms	15.45 MB	0 B	0	0	0	0	срр	375	3.08 MB	0	1.005	0.01	1.000	75	90	1/14 05:33:17
0516048	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.04 MB	0	1.004	0.01	1.000	75	90	1/14 15:52:38
109550158	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	379	3.1 MB	0	1.003	0.01	1.000	75	90	1/14 18:05:45
109550018	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	380	3.09 MB	0	1.003	0.01	1.000	75	90	1/8 17:16:11
109550090	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	379	3.09 MB	0	1.003	0.01	1.000	75	90	1/13 21:10:22
110550023	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	382	3.09 MB	0	1.003	0.01	1.000	75	90	1/8 13:44:50
0717030	1.00	2.82 <u>M</u>	10 ms	15.47 MB	0 B	0	0	0	0	срр	377	3.1 MB	0	1.003	0.01	1.000	75	90	1/13 20:08:24
109550182	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	379	3.12 MB	0	1.003	0.01	1.000	75	90	1/12 20:06:43
109550058	1.00	2.8 M	10 ms	15.5 MB	0 B	0	0	0	0	срр	383	3.09 MB	0	1.003	0.01	1.000	75	90	1/13 22:56:17
109550038	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.11 MB	0	1.003	0.01	1.000	75	90	1/14 03:37:28
109652017	1.00	2.82 <u>M</u>	10 ms	15.47 MB	0 B	0	0	0	0	срр	379	3.11 MB	0	1.003	0.01	1.000	75	90	1/13 22:50:34

109550146	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	380	3.14 MB	0	1.003	0.01	1.000	75	90	1/9 08:39:30
109550096	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	379	3.15 MB	0	1.003	0.01	1.000	75	90	1/11 22:31:13
109550124	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.11 MB	0	1.003	0.01	1.000	75	90	1/14 14:56:30
109550142	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	378	3.14 MB	0	1.003	0.01	1.000	75	90	1/12 22:30:12
109550068	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	378	3.13 MB	0	1.003	0.01	1.000	75	90	1/5 17:50:52
109550056	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	384	3.1 MB	0	1.003	0.01	1.000	75	90	1/11 23:17:16
109550052	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.11 MB	0	1.003	0.01	1.000	75	90	1/9 17:21:38
109550130	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.13 MB	0	1.003	0.01	1.000	75	90	1/12 23:41:25
109550085	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.13 MB	0	1.002	0.01	1.000	75	90	1/10 14:32:13
109550128	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.14 MB	0	1.002	0.01	1.000	75	90	1/7 19:19:55
109550022	1.00	<u>2.79</u> <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.14 MB	0	1.002	0.01	1.000	75	90	1/6 10:20:25
109550100	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.11 MB	0	1.002	0.01	1.000	75	90	1/12 17:26:49
109550006	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	379	3.16 MB	0	1.002	0.01	1.000	75	90	1/10 21:42:32
109550160	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.12 MB	0	1.002	0.01	1.000	75	90	1/9 15:23:36
109550156	1.00	2.8 M	10 ms	15.5 MB	0 B	0	0	0	0	срр	386	3.12 MB	0	1.002	0.01	1.000	75	90	1/11 04:10:34
109550066	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	379	3.17 MB	0	1.002	0.01	1.000	75	90	1/13 01:33:17
109550054	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.17 MB	0	1.002	0.01	1.000	75	90	1/14 03:15:49
0713339	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	389	3.12 MB	0	1.002	0.01	1.000	75	90	1/9 17:24:05

109550086	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.16 MB	0	1.002	0.01	1.000	75	90	1/5 01:07:04
0816074	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	382	3.18 MB	0	1.002	0.01	1.000	75	90	1/14 21:03:19
109550110	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	384	3.16 MB	0	1.002	0.01	1.000	75	90	1/11 02:09:27
109550002	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.16 MB	0	1.001	0.01	1.000	75	90	1/12 02:02:04
09550184	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.17 MB	0	1.001	0.01	1.000	75	90	1/12 03:37:15
0816077	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	385	3.16 MB	0	1.001	0.01	1.000	75	90	1/12 07:43:13
0816138	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	387	3.16 MB	0	1.001	0.01	1.000	75	90	1/9 23:55:21
109550132	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.21 MB	0	1.001	0.01	1.000	75	90	1/14 10:44:37
0813463	1.00	2.83 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.17 MB	0	1.001	0.01	1.000	75	90	1/10 10:22:51
109550001	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	380	3.23 MB	0	1.001	0.01	1.000	75	90	1/14 23:08:52
109550178	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	380	3.25 MB	0	1.001	0.01	1.000	75	90	1/13 04:09:12
109652026	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	385	3.18 MB	0	1.001	0.01	1.000	75	90	1/8 14:28:21
109550150	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	388	3.18 MB	0	1.001	0.01	1.000	75	90	1/12 19:47:30
109550174	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	384	3.22 MB	0	1.001	0.01	1.000	75	90	1/7 16:18:07
0712254	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	385	3.23 MB	0	1.001	0.01	1.000	75	90	1/8 01:30:46
109550046	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	392	3.15 MB	0	1.001	0.01	1.000	75	90	1/11 15:42:07
109700045	1.00	<u>2.77</u> <u>M</u>	10 ms	15.45 MB	0 B	0	0	0	0	срр	385	3.31 MB	0	1.000	0.01	1.000	75	90	1/13 15:05:29
09550118	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	388	3.23 MB	0	1.000	0.01	1.000	75	90	1/12 23:15:36

09550053	1.00	2.8 M	10 ms	15.5 MB	0 B	0	0	0	0	срр	393	3.21 MB	0	1.000	0.01	1.000	75	90	1/14 23:15:05
<u>baseline</u>	1.00	2.78 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	385	3.32 MB	0	1.000	0.01	1.000	75	90	1/4 04:28:05
<u>0816078</u>	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.27 MB	0	1.000	0.01	1.000	75	90	1/14 17:11:57
09550076	1.00	<u>2.79</u> <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	389	3.27 MB	0	1.000	0.01	1.000	75	90	1/11 13:36:44
09652053	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	384	3.27 MB	0	1.000	0.01	1.000	75	90	1/14 04:53:30
0811619	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.32 MB	0	1.000	0.01	1.000	75	90	1/13 10:54:25
09550134	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	380	3.34 MB	0	1.000	0.01	1.000	75	90	1/13 20:55:38
09550070	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.32 MB	0	1.000	0.01	1.000	75	90	1/8 15:17:26
09550088	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	388	3.31 MB	0	0.999	0.01	1.000	75	90	1/11 03:11:16
0812236	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	388	3.27 MB	0	0.999	0.01	1.000	75	90	1/13 16:35:34
09550016	1.00	2.84 <u>M</u>	10 ms	15.47 MB	0 B	0	0	0	0	срр	390	3.22 MB	0	0.999	0.01	1.000	75	90	1/10 00:55:51
09550162	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	387	3.33 MB	0	0.999	0.01	1.000	75	90	1/13 15:23:03
09101012	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.29 MB	0	0.999	0.01	1.000	75	90	1/14 00:55:53
09550071	1.00	2.8 M	10 ms	15.46 MB	0 B	0	0	0	0	срр	389	3.32 MB	0	0.999	0.01	1.000	75	90	1/9 00:09:52
09550026	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.37 MB	0	0.999	0.01	1.000	75	90	1/11 15:30:28
09550106	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	387	3.31 MB	0	0.999	0.01	1.000	75	90	1/14 03:39:26
09550126	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	382	3.33 MB	0	0.999	0.01	1.000	75	90	1/9 06:40:11
<u>0816068</u>	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	396	3.37 MB	0	0.999	0.01	1.000	75	90	1/14 14:42:00

109652042	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	382	3.34 MB	0	0.999	0.01	1.000	75	90	1/11 16:56:44
109550082	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	386	3.34 MB	0	0.999	0.01	1.000	75	90	1/14 19:29:56
109550049	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	383	3.32 MB	0	0.999	0.01	1.000	75	90	1/6 15:34:40
0711624	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	384	3.33 MB	0	0.999	0.01	1.000	75	90	1/13 13:05:00
109550168	1.00	2.81 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	391	3.32 MB	0	0.999	0.01	1.000	75	90	1/8 18:09:40
0712211	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	388	3.36 MB	0	0.999	0.01	1.000	75	90	1/5 02:53:54
109550164	1.00	2.82 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	385	3.33 MB	0	0.999	0.01	1.000	75	90	1/8 16:04:53
109550044	1.00	2.84 <u>M</u>	10 ms	15.48 MB	0 B	0	0	0	0	срр	390	3.27 MB	0	0.999	0.01	1.000	75	90	1/5 21:33:13
610001007	1.00	2.84 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	423	3.43 MB	0	0.998	0.01	1.000	75	90	1/4 15:47:51
0816003	1.00	2.83 <u>M</u>	10 ms	15.61 MB	0 B	0	0	0	0	срр	416	3.27 MB	0	0.998	0.01	1.000	75	90	1/13 15:17:28
M093638	1.00	<u>54.07</u> <u>M</u>	20 ms	73 MB	0 B	0	0	0	0	python	1.3 K	8.76 MB	0	0.762	4.39	1.000	57	87	1/12 14:54:48
109550020	1.00	2.87 <u>M</u>	10 ms	15.46 MB	0 B	1	0	0	0	срр	398	3.36 MB	0	0.998	0.01	0.950	75	85	1/12 00:01:16
610001005	0.50	2.89 <u>M</u>	10 ms	15.46 MB	0 B	0	0	0	0	срр	381	3.09 MB	0	0	0.00	0.500	0	25	1/15 00:00:14
109550154	-1	<u>-1</u>	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	12	0	0.00	0.000	0	0	1/14 23:59:59

number of submission = 83

number of effective submission (priority>0) = 81

remaining p\_score = 0.00

Field Definitions

```
if (gcc | illegal func | illegal header | missing),
  priority = 0
  func = 0
else,
  func = check * (0.95\(^{\text{m}}\) error)
  if ( check==1 ),
     perf I1 = lg(2+2910283)/lg(2+I \text{ refs})
     perf I2 = lg(2+10000)/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+385*3477504)/lg(2+flt*maxrss))
  else,
     priority = 0
p score = <u>schedule(6000</u>, 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)
```