

Summary				
RE		Score(Functional Test)	100	
		Time(Performance Test)	752 s 381500 us	
Git Clone Command				
Last Commit At	-			
Detail				
Functional Test	0 CE; 0 RE; 0 TLE; 0 WA; 140 AC			
No	Case Name	Status	Score	Log
1	add2	AC	1.163	
2	addc	AC	1.163	
3	arr_defn2	AC	0.233	
4	arr_defn3	AC	0.233	
5	arr_defn4	AC	0.233	
6	arr_expr_len	AC	0.233	
7	assign_complex_expr	AC	1.163	
8	big_int_mul	AC	1.163	
9	brainfk	AC	1.163	
10	break	AC	0.581	
11	calculator	AC	1.163	
12	chaos_token	AC	1.163	
13	color	AC	1.163	
14	comment1	AC	1.163	
15	const_array_defn	AC	0.388	
16	const_var_defn2	AC	0.388	
17	const_var_defn3	AC	0.388	
18	continue	AC	1.163	
19	dijkstra	AC	1.163	
20	div	AC	1.163	
21	divc	AC	1.163	
22	empty_stmt	AC	1.163	
23	exgcd	AC	1.163	
24	expr_eval	AC	1.163	
25	float	AC	1.163	
26	full_conn	AC	1.163	
27	func_defn	AC	0.581	
28	hanoi	AC	1.163	

29	hex_defn	AC	0.581	
30	hex_oct_add	AC	0.581	
31	hidden_var	AC	1.163	
32	if_complex_expr	AC	0.233	
33	if_test2	AC	0.233	
34	if_test3	AC	0.233	
35	if_test4	AC	0.233	
36	if_test5	AC	0.233	
37	int_io	AC	1.163	
38	kmp	AC	1.163	
39	logi_assign	AC	1.163	
40	long_array	AC	0.194	
41	long_array2	AC	0.194	
42	long_code	AC	0.194	
43	long_code2	AC	0.194	
44	long_func	AC	0.194	
45	main	AC	1.163	
46	many_globals	AC	0.145	
47	many_locals	AC	0.145	
48	many_locals2	AC	0.145	
49	many_params	AC	0.145	
50	many_params2	AC	0.145	
51	matrix_add	AC	0.233	
52	matrix_mul	AC	0.233	
53	matrix_sub	AC	0.233	
54	matrix_tran	AC	0.233	
55	max_flow	AC	1.163	
56	mod	AC	1.163	
57	mul	AC	1.163	
58	mulc	AC	1.163	
59	n_queens	AC	1.163	
60	nested_calls	AC	0.581	
61	nested_loops	AC	0.581	
62	op_priority1	AC	0.233	
63	op_priority2	AC	0.233	
64	op_priority3	AC	0.233	
65	op_priority4	AC	0.233	
66	op_priority5	AC	0.233	

67	percolation	AC	1.163	
68	register_alloc	AC	1.163	
69	rem	AC	1.163	
70	reverse_output	AC	1.163	
71	scope	AC	1.163	
72	scope2	AC	1.163	
73	short_circuit	AC	0.581	
74	short_circuit3	AC	0.581	
75	side_effect	AC	0.581	
76	skip_spaces	AC	1.163	
77	sort_test1	AC	0.145	
78	sort_test2	AC	0.145	
79	sort_test3	AC	0.145	
80	sort_test4	AC	0.145	
81	sort_test5	AC	0.145	
82	sort_test6	AC	0.145	
83	sort_test7	AC	0.145	
84	stmt_expr	AC	1.163	
85	sub2	AC	1.163	
86	subc	AC	1.163	
87	substr	AC	1.163	
88	unary_op	AC	0.581	
89	unary_op2	AC	0.581	
90	var_defn2	AC	0.291	
91	var_defn3	AC	0.291	
92	var_defn_func	AC	0.291	
93	var_name	AC	0.291	
94	while_if	AC	0.166	
95	while_if_test1	AC	0.166	
96	while_if_test2	AC	0.166	
97	while_if_test3	AC	0.166	
98	while_test1	AC	0.166	
99	while_test2	AC	0.166	
100	while_test3	AC	0.166	
101	BFS	AC	1.163	
102	BST	AC	1.163	
103	DFS	AC	1.163	
104	DSU	AC	1.163	

105	LCA	AC	1.163	
106	arr_init_nd	AC	0.233	
107	array_only	AC	1.163	
108	branch	AC	1.163	
109	break_continue	AC	0.581	
110	comment2	AC	1.163	
111	dct	AC	1.163	
112	dp	AC	1.163	
113	fp_params	AC	1.163	
114	func_name	AC	0.581	
115	global_arr_init	AC	1.163	
116	graph_coloring	AC	1.163	
117	json	AC	1.163	
118	k_smallest	AC	1.163	
119	light2d	AC	1.163	
120	long_line	AC	0.194	
121	many_dimensions	AC	0.145	
122	many_indirections	AC	0.145	
123	many_params3	AC	0.145	
124	math	AC	1.163	
125	matrix_multiply	AC	0.233	
126	maximal_clique	AC	1.163	
127	multi_branch	AC	0.581	
128	multi_loop	AC	0.581	
129	multiple_returns	AC	1.163	
130	param_name	AC	1.163	
131	prim	AC	1.163	
132	ret_in_block	AC	1.163	
133	rotate	AC	1.163	
134	scope3	AC	1.163	
135	scope4	AC	1.163	
136	scope5	AC	1.163	
137	search	AC	1.163	
138	side_effect2	AC	0.581	
139	sort	AC	0.145	
140	union_find	AC	1.163	
Performance Test	0 CE; 0 RE; 2 TLE; 0 WA; 57 AC			
No	Case Name	Status	Time	Log

1	hoist-3	TLE	-	Timeout while executing assembly on Raspberry Pi.(300 s)
2	integer-divide-optimization-3	TLE	-	Timeout while executing assembly on Raspberry Pi.(300 s)
3	bitset1	AC	1 s 974634 us	Timer@0056-0064: 0H-0M-1S-974634us  TOTAL: 0H-0M-1S-974634us
4	bitset2	AC	3 s 943648 us	Timer@0056-0064: 0H-0M-3S-943648us  TOTAL: 0H-0M-3S-943648us
5	bitset3	AC	5 s 922224 us	Timer@0056-0064: 0H-0M-5S-922224us  TOTAL: 0H-0M-5S-922224us
6	brainfuck-bootstrap	AC	27 s 182977 us	Timer@0116-0118: 0H-0M-27S-182977us  TOTAL: 0H-0M-27S-182977us
7	brainfuck-mandelbrot-nerf	AC	79 s 967613 us	Timer@0116-0118: 0H-1M-19S-967613us  TOTAL: 0H-1M-19S-967613us
8	brainfuck-pi-nerf	AC	4 s 316287 us	Timer@0116-0118: 0H-0M-4S-316287us  TOTAL: 0H-0M-4S-316287us
9	conv0	AC	14 s 32479 us	Timer@0109-0116: 0H-0M-14S-32479us  TOTAL: 0H-0M-14S-32479us
10	conv1	AC	24 s 329246 us	Timer@0109-0116: 0H-0M-24S-329246us  TOTAL: 0H-0M-24S-329246us
11	conv2	AC	18 s 20685 us	Timer@0109-0116: 0H-0M-18S-20685us  TOTAL: 0H-0M-18S-20685us
12	crypto-1	AC	2 s 104689 us	Timer@0161-0184: 0H-0M-2S-104689us  TOTAL: 0H-0M-2S-104689us
13	crypto-2	AC	1 s 727798 us	Timer@0161-0184: 0H-0M-1S-727798us  TOTAL: 0H-0M-1S-727798us
14	crypto-3	AC	2 s 281408 us	Timer@0161-0184: 0H-0M-2S-281408us  TOTAL: 0H-0M-2S-281408us
15	dead-code-elimination-1	AC	0 s 36 us	Timer@100016-100032: 0H-0M-0S-36us  TOTAL: 0H-0M-0S-36us

16	dead-code-elimination-2	AC	0 s 3621 us	Timer@100016-100032: 0H-0M-0S-3621us  TOTAL: 0H-0M-0S-3621us
17	dead-code-elimination-3	AC	0 s 359567 us	Timer@100016-100032: 0H-0M-0S-359567us  TOTAL: 0H-0M-0S-359567us
18	fft0	AC	7 s 950184 us	Timer@0060-0079: 0H-0M-7S-950184us  TOTAL: 0H-0M-7S-950184us
19	fft1	AC	17 s 2555 us	Timer@0060-0079: 0H-0M-17S-2555us  TOTAL: 0H-0M-17S-2555us
20	fft2	AC	16 s 487606 us	Timer@0060-0079: 0H-0M-16S-487606us  TOTAL: 0H-0M-16S-487606us
21	floyd-0	AC	0 s 91 us	Timer@0062-0064: 0H-0M-0S-91us  TOTAL: 0H-0M-0S-91us
22	floyd-1	AC	0 s 52649 us	Timer@0062-0064: 0H-0M-0S-52649us  TOTAL: 0H-0M-0S-52649us
23	floyd-2	AC	25 s 578582 us	Timer@0062-0064: 0H-0M-25S-578582us  TOTAL: 0H-0M-25S-578582us
24	gameoflife-gosper	AC	22 s 503334 us	Timer@0095-0106: 0H-0M-22S-503334us  TOTAL: 0H-0M-22S-503334us
25	gameoflife-oscillator	AC	19 s 993611 us	Timer@0095-0106: 0H-0M-19S-993611us  TOTAL: 0H-0M-19S-993611us
26	gameoflife-p61glidergun	AC	19 s 957475 us	Timer@0095-0106: 0H-0M-19S-957475us  TOTAL: 0H-0M-19S-957475us
27	hoist-1	AC	0 s 103951 us	Timer@0121-0123: 0H-0M-0S-103951us  TOTAL: 0H-0M-0S-103951us
28	hoist-2	AC	101 s 547130 us	Timer@0121-0123: 0H-1M-41S-547130us  TOTAL: 0H-1M-41S-547130us
29	instruction-combining-1	AC	0 s 53485 us	Timer@10015-10030: 0H-0M-0S-53485us  TOTAL: 0H-0M-0S-53485us

30	instruction-combining-2	AC	13 s 127697 us	Timer@10015-10030: 0H-0M-13S-127697us  TOTAL: 0H-0M-13S-127697us
31	instruction-combining-3	AC	13 s 130494 us	Timer@10015-10030: 0H-0M-13S-130494us  TOTAL: 0H-0M-13S-130494us
32	integer-divide-optimization-1	AC	0 s 245781 us	Timer@1016-1031: 0H-0M-0S-245781us  TOTAL: 0H-0M-0S-245781us
33	integer-divide-optimization-2	AC	108 s 482545 us	Timer@1016-1031: 0H-1M-48S-482545us  TOTAL: 0H-1M-48S-482545us
34	median0	AC	8 s 563281 us	Timer@0059-0061: 0H-0M-8S-563281us  TOTAL: 0H-0M-8S-563281us
35	median1	AC	5 s 666551 us	Timer@0059-0061: 0H-0M-5S-666551us  TOTAL: 0H-0M-5S-666551us
36	median2	AC	50 s 86867 us	Timer@0059-0061: 0H-0M-50S-86867us  TOTAL: 0H-0M-50S-86867us
37	mm1	AC	9 s 95861 us	Timer@0065-0084: 0H-0M-9S-95861us  TOTAL: 0H-0M-9S-95861us
38	mm2	AC	8 s 164708 us	Timer@0065-0084: 0H-0M-8S-164708us  TOTAL: 0H-0M-8S-164708us
39	mm3	AC	6 s 256697 us	Timer@0065-0084: 0H-0M-6S-256697us  TOTAL: 0H-0M-6S-256697us
40	mv1	AC	7 s 270458 us	Timer@0059-0067: 0H-0M-7S-270458us  TOTAL: 0H-0M-7S-270458us
41	mv2	AC	4 s 706367 us	Timer@0059-0067: 0H-0M-4S-706367us  TOTAL: 0H-0M-4S-706367us
42	mv3	AC	5 s 529895 us	Timer@0059-0067: 0H-0M-5S-529895us  TOTAL: 0H-0M-5S-529895us
43	shuffle0	AC	9 s 719337 us	Timer@0078-0090: 0H-0M-9S-719337us  TOTAL: 0H-0M-9S-719337us

44	shuffle1	AC	11 s 189864 us	Timer@0078-0090: 0H-0M-11S-189864us  TOTAL: 0H-0M-11S-189864us
45	shuffle2	AC	3 s 904365 us	Timer@0078-0090: 0H-0M-3S-904365us  TOTAL: 0H-0M-3S-904365us
46	sl1	AC	7 s 635841 us	Timer@0013-0053: 0H-0M-7S-635841us  TOTAL: 0H-0M-7S-635841us
47	sl2	AC	2 s 806271 us	Timer@0013-0053: 0H-0M-2S-806271us  TOTAL: 0H-0M-2S-806271us
48	sl3	AC	1 s 292390 us	Timer@0013-0053: 0H-0M-1S-292390us  TOTAL: 0H-0M-1S-292390us
49	sort1	AC	1 s 494373 us	Timer@0090-0102: 0H-0M-1S-494373us  TOTAL: 0H-0M-1S-494373us
50	sort2	AC	19 s 935161 us	Timer@0090-0102: 0H-0M-19S-935161us  TOTAL: 0H-0M-19S-935161us
51	sort3	AC	3 s 930276 us	Timer@0090-0102: 0H-0M-3S-930276us  TOTAL: 0H-0M-3S-930276us
52	spmv1	AC	4 s 262134 us	Timer@0039-0047: 0H-0M-4S-262134us  TOTAL: 0H-0M-4S-262134us
53	spmv2	AC	2 s 824403 us	Timer@0039-0047: 0H-0M-2S-824403us  TOTAL: 0H-0M-2S-824403us
54	spmv3	AC	2 s 804066 us	Timer@0039-0047: 0H-0M-2S-804066us  TOTAL: 0H-0M-2S-804066us
55	stencil0	AC	0 s 43201 us	Timer@0023-0059: 0H-0M-0S-43201us  TOTAL: 0H-0M-0S-43201us
56	stencil1	AC	0 s 101051 us	Timer@0023-0059: 0H-0M-0S-101051us  TOTAL: 0H-0M-0S-101051us
57	transpose0	AC	4 s 461671 us	Timer@0028-0047: 0H-0M-4S-461671us  TOTAL: 0H-0M-4S-461671us



58	transpose1	AC	5 s 203672 us	Timer@0028-0047: 0H-0M-5S-203672us  TOTAL: 0H-0M-5S-203672us
59	transpose2	AC	13 s 48657 us	Timer@0028-0047: 0H-0M-13S-48657us  TOTAL: 0H-0M-13S-48657us

## Compile Log

Compile Command	javac -d /root/run/classes -encoding utf-8 -cp ./coursegrader/dockerext/java-cup-11b-runtime.jar:/coursegrader/dockerext/antlr-4.8-complete.jar -sourcepath /coursegrader/submitdata /coursegrader/submitdata/src/Compiler.java /coursegrader/submitdata/src/FunctionalDebug.java /coursegrader/submitdata/src/DebugTools.java /coursegrader/submitdata/src/Main.java /coursegrader/submitdata/src/ir/Value.java /coursegrader/submitdata/src/ir/GlobalVar.java /coursegrader/submitdata/src/ir/Function.java /coursegrader/submitdata/src/ir/IRVerifyException.java /coursegrader/submitdata/src/ir/User.java /coursegrader/submitdata/src/ir/Parameter.java /coursegrader/submitdata/src/ir/GlobalModifitationStatus.java /coursegrader/submitdata/src/ir/Module.java /coursegrader/submitdata/src/ir/BasicBlock.java /coursegrader/submitdata/src/utis/ReflectiveTools.java /coursegrader/submitdata/src/utis/Pair.java /coursegrader/submitdata/src/utis/StringUtils.java /coursegrader/submitdata/src/utis/LLVMDumper.java /coursegrader/submitdata/src/utis/INode.java /coursegrader/submitdata/src/utis/LList.java /coursegrader/submitdata/src/utis/CollectionTools.java /coursegrader/submitdata/src/utis/ChainMap.java /coursegrader/submitdata/src/utis/INodeOwner.java /coursegrader/submitdata/src/utis/LListException.java /coursegrader/submitdata/src/utis/Log.java /coursegrader/submitdata/src/utis/LListOwner.java /coursegrader/submitdata/src/utis/LogFailException.java /coursegrader/submitdata/src/utis/IteratorTools.java /coursegrader/submitdata/src/backend/Consts.java /coursegrader/submitdata/src/frontend/SysYParser.java /coursegrader/submitdata/src/frontend/SourceCodeSymbol.java /coursegrader/submitdata/src/frontend/SysYLexer.java /coursegrader/submitdata/src/frontend/IRGen.java /coursegrader/submitdata/src/frontend/SysYVisitor.java /coursegrader/submitdata/src/frontend/IRBuilder.java /coursegrader/submitdata/src/frontend/SemanticException.java /coursegrader/submitdata/src/frontend/SymbolTable.java /coursegrader/submitdata/src/frontend/SysYBaseVisitor.java /coursegrader/submitdata/src/ir/type/PointerType.java /coursegrader/submitdata/src/ir/type/FunctionIRTy.java /coursegrader/submitdata/src/ir/type/SimpleIRTy.java /coursegrader/submitdata/src/ir/type/IRTypeException.java /coursegrader/submitdata/src/ir/type/ArrayIRTy.java /coursegrader/submitdata/src/ir/type/IRType.java /coursegrader/submitdata/src/ir/type/IRTyKind.java /coursegrader/submitdata/src/ir/inst/MemInitInst.java /coursegrader/submitdata/src/ir/inst/BrCondInst.java /coursegrader/submitdata/src/ir/inst/GEPIInst.java /coursegrader/submitdata/src/ir/inst/IntToFloatInst.java /coursegrader/submitdata/src/ir/inst/LoadInst.java /coursegrader/submitdata/src/ir/inst/CallInst.java /coursegrader/submitdata/src/ir/inst/BinaryOpInst.java /coursegrader/submitdata/src/ir/inst/InstKind.java /coursegrader/submitdata/src/ir/inst/CAllocInst.java /coursegrader/submitdata/src/ir/inst/ReturnInst.java /coursegrader/submitdata/src/ir/inst/CmpInst.java /coursegrader/submitdata/src/ir/inst/Instruction.java /coursegrader/submitdata/src/ir/inst/BrInst.java /coursegrader/submitdata/src/ir/inst/UnaryOpInst.java /coursegrader/submitdata/src/ir/inst/PhiInst.java /coursegrader/submitdata/src/ir/inst/StoreInst.java /coursegrader/submitdata/src/ir/inst/FloatToIntInst.java /coursegrader/submitdata/src/ir/inst/BoolToIntInst.java /coursegrader/submitdata/src/ir/analysis/AnalysisInfoOwner.java /coursegrader/submitdata/src/ir/analysis/AnalysisInfo.java /coursegrader/submitdata/src/ir/constant/FloatConst.java /coursegrader/submitdata/src/ir/constant/IntConst.java /coursegrader/submitdata/src/ir/constant/ArrayConst.java /coursegrader/submitdata/src/ir/constant/BoolConst.java /coursegrader/submitdata/src/ir/constant/Constant.java /coursegrader/submitdata/src/ir/visitor/ConstantVisitor.java /coursegrader/submitdata/src/ir/visitor/ValueVisitor.java /coursegrader/submitdata/src/ir/visitor/InstructionVisitor.java /coursegrader/submitdata/src/pass/ir/FunctionInline.java /coursegrader/submitdata/src/pass/ir/ClearUnreachableBlock.java /coursegrader/submitdata/src/pass/ir/ConstantFold.java /coursegrader/submitdata/src/pass/ir/MergeDirectBranch.java /coursegrader/submitdata/src/pass/ir/RemoveTrivialPhi.java /coursegrader/submitdata/src/pass/ir/IRPass.java /coursegrader/submitdata/src/pass/ir/IRPassManager.java /coursegrader/submitdata/src/pass/ir/SimpleGVN.java /coursegrader/submitdata/src/pass/ir/ConstructDominatorInfo.java /coursegrader/submitdata/src/pass/ir/ClearUselessFunction.java /coursegrader/submitdata/src/pass/ir/ClearUselessInstruction.java /coursegrader/submitdata/src/backend/codegen/CodeGenManager.java /coursegrader/submitdata/src/backend/regallocator/SimpleGraphColoring.java /coursegrader/submitdata/src/backend/regallocator/LivenessAnalysis.java /coursegrader/submitdata/src/backend/regallocator/RegAllocator.java /coursegrader/submitdata/src/backend/arm/ArmlnstUnary.java /coursegrader/submitdata/src/backend/arm/ArmlnstMove.java /coursegrader/submitdata/src/backend/arm/ArmlnstStore.java /coursegrader/submitdata/src/backend/arm/ArmlnstLtor.java /coursegrader/submitdata/src/backend/arm/ArmlnstBinary.java /coursegrader/submitdata/src/backend/arm/ArmlnstLoad.java /coursegrader/submitdata/src/backend/arm/ArmlnstReturn.java /coursegrader/submitdata/src/backend/arm/Armlnst.java /coursegrader/submitdata/src/backend/arm/ArmFunction.java /coursegrader/submitdata/src/backend/arm/ArmBlock.java /coursegrader/submitdata/src/backend/arm/ArmlnstFloatToInt.java /coursegrader/submitdata/src/backend/arm/ArmlnstIntToFloat.java /coursegrader/submitdata/src/backend/arm/ArmlnstBranch.java /coursegrader/submitdata/src/backend/arm/ArmlnstCmp.java /coursegrader/submitdata/src/backend/arm/ArmlnstCall.java /coursegrader/submitdata/src/backend/arm/ArmlnstTernary.java /coursegrader/submitdata/src/backend/operand/FVirtualReg.java /coursegrader/submitdata/src/backend/operand/Operand.java /coursegrader/submitdata/src/backend/operand/FPhyReg.java /coursegrader/submitdata/src/backend/operand/Reg.java /coursegrader/submitdata/src/backend/operand/Flmm.java /coursegrader/submitdata/src/backend/operand/IPhyReg.java /coursegrader/submitdata/src/backend/operand/Address.java /coursegrader/submitdata/src/backend/operand/IVirtualReg.java /coursegrader/submitdata/src/backend/operand/Imm.java /coursegrader/submitdata/src/backend/operand/Info/CurrDefInfo.java /coursegrader/submitdata/src/backend/operand/Info/FinalInfo.java /coursegrader/submitdata/src/frontend/folder/IntConstantFolder.java /coursegrader/submitdata/src/frontend/folder/CondFolder.java /coursegrader/submitdata/src/frontend/folder/FloatConstantFolder.java /coursegrader/submitdata/src/pass/ir/memory/ReplaceUnnecessaryLoad.java /coursegrader/submitdata/src/pass/ir/memory/MemCache.java /coursegrader/submitdata/src/pass/ir/memory/RemoveUnnecessaryArray.java /coursegrader/submitdata/src/pass/ir/memory/MemoryInfo.java /coursegrader/submitdata/src/pass/ir/memory/MemHandler.java /coursegrader/submitdata/src/pass/ir/memory/CollectMemoryDefinition.java /coursegrader/submitdata/src/pass/ir/memory/MemPosition.java /coursegrader/submitdata/src/pass/ir/dataflow/DataFlowInfo.java /coursegrader/submitdata/src/pass/ir/dataflow/ForwardDataFlowPass.java && cd /root/run/classes && jar xf /coursegrader/dockerext/java-cup-11b-runtime.jar && jar xf /coursegrader/dockerext/antlr-4.8-complete.jar && jar --create --file /root/run/compiler.jar --main-class Compiler -C /root/run/classes .
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