

Summary				
RE		Score(Functional Test)	95	
		Time(Performance Test)	780 s 490919 us	
Git Clone Command				
Last Commit At	-			
Detail				
Functional Test	4 CE; 0 RE; 0 TLE; 0 WA; 136 AC			
No	Case Name	Status	Score	Log
1	break_continue	CE	0.000	Error occurred while your compiler compiled the sy program.  ExitCode: 255. Command:  java -jar /root/run/compiler.jar -S -o /root/run/testcase.s /coursegrader/testdata/h_functional/04_break_continue.sy
2	multiple_returns	CE	0.000	Error occurred while your compiler compiled the sy program.  ExitCode: 255. Command:  java -jar /root/run/compiler.jar -S -o /root/run/testcase.s /coursegrader/testdata/h_functional/01_multiple_returns.sy
3	ret_in_block	CE	0.000	Error occurred while your compiler compiled the sy program.  ExitCode: 255. Command:  java -jar /root/run/compiler.jar -S -o /root/run/testcase.s /coursegrader/testdata/h_functional/02_ret_in_block.sy
4	scope4	CE	0.000	Error occurred while your compiler compiled the sy program.  ExitCode: 255. Command:  java -jar /root/run/compiler.jar -S -o /root/run/testcase.s /coursegrader/testdata/h_functional/26_scope4.sy
5	add2	AC	1.163	
6	addc	AC	1.163	
7	arr_defn2	AC	0.233	
8	arr_defn3	AC	0.233	
9	arr_defn4	AC	0.233	
10	arr_expr_len	AC	0.233	
11	assign_complex_expr	AC	1.163	
12	big_int_mul	AC	1.163	
13	brainfk	AC	1.163	
14	break	AC	0.581	

15	calculator	AC	1.163	
16	chaos_token	AC	1.163	
17	color	AC	1.163	
18	comment1	AC	1.163	
19	const_array_defn	AC	0.388	
20	const_var_defn2	AC	0.388	
21	const_var_defn3	AC	0.388	
22	continue	AC	1.163	
23	dijkstra	AC	1.163	
24	div	AC	1.163	
25	divc	AC	1.163	
26	empty_stmt	AC	1.163	
27	exgcd	AC	1.163	
28	expr_eval	AC	1.163	
29	float	AC	1.163	
30	full_conn	AC	1.163	
31	func_defn	AC	0.581	
32	hanoi	AC	1.163	
33	hex_defn	AC	0.581	
34	hex_oct_add	AC	0.581	
35	hidden_var	AC	1.163	
36	if_complex_expr	AC	0.233	
37	if_test2	AC	0.233	
38	if_test3	AC	0.233	
39	if_test4	AC	0.233	
40	if_test5	AC	0.233	
41	int_io	AC	1.163	
42	kmp	AC	1.163	
43	logi_assign	AC	1.163	
44	long_array	AC	0.194	
45	long_array2	AC	0.194	
46	long_code	AC	0.194	
47	long_code2	AC	0.194	
48	long_func	AC	0.194	
49	main	AC	1.163	
50	many_globals	AC	0.145	
51	many_locals	AC	0.145	
52	many_locals2	AC	0.145	

53	many_params	AC	0.145	
54	many_params2	AC	0.145	
55	matrix_add	AC	0.233	
56	matrix_mul	AC	0.233	
57	matrix_sub	AC	0.233	
58	matrix_tran	AC	0.233	
59	max_flow	AC	1.163	
60	mod	AC	1.163	
61	mul	AC	1.163	
62	mulc	AC	1.163	
63	n_queens	AC	1.163	
64	nested_calls	AC	0.581	
65	nested_loops	AC	0.581	
66	op_priority1	AC	0.233	
67	op_priority2	AC	0.233	
68	op_priority3	AC	0.233	
69	op_priority4	AC	0.233	
70	op_priority5	AC	0.233	
71	percolation	AC	1.163	
72	register_alloc	AC	1.163	
73	rem	AC	1.163	
74	reverse_output	AC	1.163	
75	scope	AC	1.163	
76	scope2	AC	1.163	
77	short_circuit	AC	0.581	
78	short_circuit3	AC	0.581	
79	side_effect	AC	0.581	
80	skip_spaces	AC	1.163	
81	sort_test1	AC	0.145	
82	sort_test2	AC	0.145	
83	sort_test3	AC	0.145	
84	sort_test4	AC	0.145	
85	sort_test5	AC	0.145	
86	sort_test6	AC	0.145	
87	sort_test7	AC	0.145	
88	stmt_expr	AC	1.163	
89	sub2	AC	1.163	
90	subc	AC	1.163	

91	substr	AC	1.163	
92	unary_op	AC	0.581	
93	unary_op2	AC	0.581	
94	var_defn2	AC	0.291	
95	var_defn3	AC	0.291	
96	var_defn_func	AC	0.291	
97	var_name	AC	0.291	
98	while_if	AC	0.166	
99	while_if_test1	AC	0.166	
100	while_if_test2	AC	0.166	
101	while_if_test3	AC	0.166	
102	while_test1	AC	0.166	
103	while_test2	AC	0.166	
104	while_test3	AC	0.166	
105	BFS	AC	1.163	
106	BST	AC	1.163	
107	DFS	AC	1.163	
108	DSU	AC	1.163	
109	LCA	AC	1.163	
110	arr_init_nd	AC	0.233	
111	array_only	AC	1.163	
112	branch	AC	1.163	
113	comment2	AC	1.163	
114	dct	AC	1.163	
115	dp	AC	1.163	
116	fp_params	AC	1.163	
117	func_name	AC	0.581	
118	global_arr_init	AC	1.163	
119	graph_coloring	AC	1.163	
120	json	AC	1.163	
121	k_smallest	AC	1.163	
122	light2d	AC	1.163	
123	long_line	AC	0.194	
124	many_dimensions	AC	0.145	
125	many_indirections	AC	0.145	
126	many_params3	AC	0.145	
127	math	AC	1.163	
128	matrix_multiply	AC	0.233	

129	maximal_clique	AC	1.163	
130	multi_branch	AC	0.581	
131	multi_loop	AC	0.581	
132	param_name	AC	1.163	
133	prim	AC	1.163	
134	rotate	AC	1.163	
135	scope3	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 973426 us	Timer@0056-0064: 0H-0M-1S-973426us  TOTAL: 0H-0M-1S-973426us
4	bitset2	AC	3 s 952708 us	Timer@0056-0064: 0H-0M-3S-952708us  TOTAL: 0H-0M-3S-952708us
5	bitset3	AC	5 s 928039 us	Timer@0056-0064: 0H-0M-5S-928039us  TOTAL: 0H-0M-5S-928039us
6	brainfuck-bootstrap	AC	27 s 193081 us	Timer@0116-0118: 0H-0M-27S-193081us  TOTAL: 0H-0M-27S-193081us
7	brainfuck-mandelbrot-nerf	AC	79 s 980294 us	Timer@0116-0118: 0H-1M-19S-980294us  TOTAL: 0H-1M-19S-980294us
8	brainfuck-pi-nerf	AC	4 s 312105 us	Timer@0116-0118: 0H-0M-4S-312105us  TOTAL: 0H-0M-4S-312105us
9	conv0	AC	13 s 897313 us	Timer@0109-0116: 0H-0M-13S-897313us  TOTAL: 0H-0M-13S-897313us
10	conv1	AC	24 s 12518 us	Timer@0109-0116: 0H-0M-24S-12518us  TOTAL: 0H-0M-24S-12518us

11	conv2	AC	17 s 985291 us	Timer@0109-0116: 0H-0M-17S-985291us  TOTAL: 0H-0M-17S-985291us
12	crypto-1	AC	1 s 958989 us	Timer@0161-0184: 0H-0M-1S-958989us  TOTAL: 0H-0M-1S-958989us
13	crypto-2	AC	1 s 606844 us	Timer@0161-0184: 0H-0M-1S-606844us  TOTAL: 0H-0M-1S-606844us
14	crypto-3	AC	2 s 121614 us	Timer@0161-0184: 0H-0M-2S-121614us  TOTAL: 0H-0M-2S-121614us
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 3639 us	Timer@100016-100032: 0H-0M-0S-3639us  TOTAL: 0H-0M-0S-3639us
17	dead-code-elimination-3	AC	0 s 359725 us	Timer@100016-100032: 0H-0M-0S-359725us  TOTAL: 0H-0M-0S-359725us
18	fft0	AC	7 s 998559 us	Timer@0060-0079: 0H-0M-7S-998559us  TOTAL: 0H-0M-7S-998559us
19	fft1	AC	17 s 13227 us	Timer@0060-0079: 0H-0M-17S-13227us  TOTAL: 0H-0M-17S-13227us
20	fft2	AC	16 s 488549 us	Timer@0060-0079: 0H-0M-16S-488549us  TOTAL: 0H-0M-16S-488549us
21	floyd-0	AC	0 s 79 us	Timer@0062-0064: 0H-0M-0S-79us  TOTAL: 0H-0M-0S-79us
22	floyd-1	AC	0 s 52646 us	Timer@0062-0064: 0H-0M-0S-52646us  TOTAL: 0H-0M-0S-52646us
23	floyd-2	AC	25 s 630170 us	Timer@0062-0064: 0H-0M-25S-630170us  TOTAL: 0H-0M-25S-630170us
24	gameoflife-gosper	AC	22 s 518381 us	Timer@0095-0106: 0H-0M-22S-518381us  TOTAL: 0H-0M-22S-518381us

25	gameoflife-oscillator	AC	19 s 997789 us	Timer@0095-0106: 0H-0M-19S-997789us  TOTAL: 0H-0M-19S-997789us
26	gameoflife-p61glidergun	AC	20 s 116575 us	Timer@0095-0106: 0H-0M-20S-116575us  TOTAL: 0H-0M-20S-116575us
27	hoist-1	AC	0 s 103410 us	Timer@0121-0123: 0H-0M-0S-103410us  TOTAL: 0H-0M-0S-103410us
28	hoist-2	AC	101 s 425975 us	Timer@0121-0123: 0H-1M-41S-425975us  TOTAL: 0H-1M-41S-425975us
29	instruction-combining-1	AC	0 s 52178 us	Timer@10015-10030: 0H-0M-0S-52178us  TOTAL: 0H-0M-0S-52178us
30	instruction-combining-2	AC	13 s 132237 us	Timer@10015-10030: 0H-0M-13S-132237us  TOTAL: 0H-0M-13S-132237us
31	instruction-combining-3	AC	13 s 127755 us	Timer@10015-10030: 0H-0M-13S-127755us  TOTAL: 0H-0M-13S-127755us
32	integer-divide-optimization-1	AC	0 s 210462 us	Timer@1016-1031: 0H-0M-0S-210462us  TOTAL: 0H-0M-0S-210462us
33	integer-divide-optimization-2	AC	107 s 684551 us	Timer@1016-1031: 0H-1M-47S-684551us  TOTAL: 0H-1M-47S-684551us
34	median0	AC	6 s 61123 us	Timer@0059-0061: 0H-0M-6S-61123us  TOTAL: 0H-0M-6S-61123us
35	median1	AC	5 s 663229 us	Timer@0059-0061: 0H-0M-5S-663229us  TOTAL: 0H-0M-5S-663229us
36	median2	AC	36 s 795244 us	Timer@0059-0061: 0H-0M-36S-795244us  TOTAL: 0H-0M-36S-795244us
37	mm1	AC	9 s 185056 us	Timer@0065-0084: 0H-0M-9S-185056us  TOTAL: 0H-0M-9S-185056us
38	mm2	AC	8 s 288328 us	Timer@0065-0084: 0H-0M-8S-288328us  TOTAL: 0H-0M-8S-288328us

39	mm3	AC	6 s 367156 us	Timer@0065-0084: 0H-0M-6S-367156us  TOTAL: 0H-0M-6S-367156us
40	mv1	AC	7 s 282083 us	Timer@0059-0067: 0H-0M-7S-282083us  TOTAL: 0H-0M-7S-282083us
41	mv2	AC	4 s 719311 us	Timer@0059-0067: 0H-0M-4S-719311us  TOTAL: 0H-0M-4S-719311us
42	mv3	AC	5 s 530199 us	Timer@0059-0067: 0H-0M-5S-530199us  TOTAL: 0H-0M-5S-530199us
43	shuffle0	AC	15 s 700218 us	Timer@0078-0090: 0H-0M-15S-700218us  TOTAL: 0H-0M-15S-700218us
44	shuffle1	AC	13 s 533420 us	Timer@0078-0090: 0H-0M-13S-533420us  TOTAL: 0H-0M-13S-533420us
45	shuffle2	AC	4 s 528994 us	Timer@0078-0090: 0H-0M-4S-528994us  TOTAL: 0H-0M-4S-528994us
46	sl1	AC	24 s 900670 us	Timer@0013-0053: 0H-0M-24S-900670us  TOTAL: 0H-0M-24S-900670us
47	sl2	AC	12 s 838939 us	Timer@0013-0053: 0H-0M-12S-838939us  TOTAL: 0H-0M-12S-838939us
48	sl3	AC	7 s 634380 us	Timer@0013-0053: 0H-0M-7S-634380us  TOTAL: 0H-0M-7S-634380us
49	sort1	AC	1 s 517552 us	Timer@0090-0102: 0H-0M-1S-517552us  TOTAL: 0H-0M-1S-517552us
50	sort2	AC	21 s 220365 us	Timer@0090-0102: 0H-0M-21S-220365us  TOTAL: 0H-0M-21S-220365us
51	sort3	AC	4 s 128685 us	Timer@0090-0102: 0H-0M-4S-128685us  TOTAL: 0H-0M-4S-128685us
52	spmv1	AC	4 s 379399 us	Timer@0039-0047: 0H-0M-4S-379399us  TOTAL: 0H-0M-4S-379399us



53	spmv2	AC	2 s 972753 us	Timer@0039-0047: 0H-0M-2S-972753us  TOTAL: 0H-0M-2S-972753us
54	spmv3	AC	2 s 801912 us	Timer@0039-0047: 0H-0M-2S-801912us  TOTAL: 0H-0M-2S-801912us
55	stencil0	AC	0 s 49805 us	Timer@0023-0059: 0H-0M-0S-49805us  TOTAL: 0H-0M-0S-49805us
56	stencil1	AC	0 s 116569 us	Timer@0023-0059: 0H-0M-0S-116569us  TOTAL: 0H-0M-0S-116569us
57	transpose0	AC	4 s 773372 us	Timer@0028-0047: 0H-0M-4S-773372us  TOTAL: 0H-0M-4S-773372us
58	transpose1	AC	5 s 247963 us	Timer@0028-0047: 0H-0M-5S-247963us  TOTAL: 0H-0M-5S-247963us
59	transpose2	AC	13 s 416029 us	Timer@0028-0047: 0H-0M-13S-416029us  TOTAL: 0H-0M-13S-416029us

## 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/GlobalModificationStatus.java /coursegrader/submitdata/src/ir/Module.java /coursegrader/submitdata/src/ir/BasicBlock.java /coursegrader/submitdata/src/ir/ReflectiveTools.java /coursegrader/submitdata/src/ir/Pair.java /coursegrader/submitdata/src/ir/StringUtils.java /coursegrader/submitdata/src/ir/LLVMDumper.java /coursegrader/submitdata/src/ir/Node.java /coursegrader/submitdata/src/ir/List.java /coursegrader/submitdata/src/ir/CollectionTools.java /coursegrader/submitdata/src/ir/ChainMap.java /coursegrader/submitdata/src/ir/NodeOwner.java /coursegrader/submitdata/src/ir/ListException.java /coursegrader/submitdata/src/ir/Log.java /coursegrader/submitdata/src/ir/ListOwner.java /coursegrader/submitdata/src/ir/LogFailException.java /coursegrader/submitdata/src/ir/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/PointerIRTY.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/CmplInst.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/ConstructDominorInfo.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/BMap.java /coursegrader/submitdata/src/backend/regallocator/SimpleRegisterAllocator.java /coursegrader/submitdata/src/backend/regallocator/RegPool.java /coursegrader/submitdata/src/backend/regallocator/MemPool.java /coursegrader/submitdata/src/backend/regallocator/RegAllocator.java /coursegrader/submitdata/src/backend/arm/ArmInstUnary.java /coursegrader/submitdata/src/backend/arm/ArmInstMove.java /coursegrader/submitdata/src/backend/arm/ArmInstStore.java /coursegrader/submitdata/src/backend/arm/ArmInstLdorg.java /coursegrader/submitdata/src/backend/arm/ArmInstBinary.java /coursegrader/submitdata/src/backend/arm/ArmInstLoad.java /coursegrader/submitdata/src/backend/arm/ArmInstReturn.java /coursegrader/submitdata/src/backend/arm/ArmInstJava /coursegrader/submitdata/src/backend/arm/ArmFunction.java /coursegrader/submitdata/src/backend/arm/ArmBlock.java /coursegrader/submitdata/src/backend/arm/ArmInstFloatToInt.java /coursegrader/submitdata/src/backend/arm/ArmInstIntToFloat.java /coursegrader/submitdata/src/backend/arm/ArmInstBranch.java /coursegrader/submitdata/src/backend/arm/ArmInstCmp.java /coursegrader/submitdata/src/backend/arm/ArmInstCall.java /coursegrader/submitdata/src/backend/arm/ArmInstTernary.java /coursegrader/submitdata/src/backend/operand/FVirtualReg.java /coursegrader/submitdata/src/backend/operand/Operand.java /coursegrader/submitdata/src/backend/operand/FPhysReg.java /coursegrader/submitdata/src/backend/operand/Reg.java /coursegrader/submitdata/src/backend/operand/FImm.java /coursegrader/submitdata/src/backend/operand/IPhysReg.java /coursegrader/submitdata/src/backend/operand/Addr.java /coursegrader/submitdata/src/backend/operand/VirtualReg.java /coursegrader/submitdata/src/backend/operand/Imm.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/backend/operand/Info/IntConstantFolder.java
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