

Summary				
AC		Score(Functional Test)	100	
		Time(Performance Test)	247 s 896499 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; 0 TLE; 0 WA; 32 AC			
No	Case Name	Status	Time	Log

1	bitset1	AC	0 s 862587 us
2	bitset2	AC	1 s 724378 us
3	bitset3	AC	2 s 584661 us
4	brainfuck-bootstrap	AC	14 s 607684 us
5	brainfuck-mandelbrot-nerf	AC	42 s 654474 us
6	brainfuck-pi-nerf	AC	2 s 429660 us
7	crypto-1	AC	1 s 355872 us
8	crypto-2	AC	1 s 110552 us
9	crypto-3	AC	1 s 470816 us
10	fft0	AC	6 s 755783 us
11	fft1	AC	14 s 429729 us
12	fft2	AC	13 s 936795 us
13	gameoflife-oscillator	AC	14 s 471498 us
14	gameoflife-p61glidergun	AC	14 s 943411 us
15	median0	AC	3 s 820212 us
16	median1	AC	2 s 125615 us
17	median2	AC	21 s 873061 us
18	mv1	AC	4 s 528298 us
19	mv2	AC	2 s 392137 us
20	mv3	AC	3 s 143149 us
21	shuffle0	AC	6 s 988484 us
22	shuffle1	AC	11 s 318719 us
23	shuffle2	AC	4 s 127764 us
24	sort1	AC	1 s 382204 us
25	sort2	AC	20 s 424399 us
26	sort3	AC	3 s 692771 us
27	spmv1	AC	3 s 703339 us
28	spmv2	AC	2 s 496122 us
29	spmv3	AC	2 s 170781 us
30	transpose0	AC	4 s 184644 us
31	transpose1	AC	4 s 66217 us
32	transpose2	AC	12 s 120683 us

## Compile Log

Compile Command	<pre>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/FunctionalProfile.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/utils/ReflectiveTools.java /coursegrader/submitdata/src/utils/Pair.java /coursegrader/submitdata/src/utils/StringUtils.java /coursegrader/submitdata/src/utils/LLVMDumper.java /coursegrader/submitdata/src/utils/INode.java /coursegrader/submitdata/src/utils/List.java /coursegrader/submitdata/src/utils/CollectionTools.java /coursegrader/submitdata/src/utils/ChainMap.java /coursegrader/submitdata/src/utils/INodeOwner.java /coursegrader/submitdata/src/utils/ListException.java /coursegrader/submitdata/src/utils/Log.java /coursegrader/submitdata/src/utils/ListOwner.java /coursegrader/submitdata/src/utils/LogFailException.java /coursegrader/submitdata/src/utils/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/CALocInst.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/PhilInst.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/InstructionCombiner.java /coursegrader/submitdata/src/pass/ir/ConstantFold.java /coursegrader/submitdata/src/pass/ir/FuseImmediatelyBranch.java /coursegrader/submitdata/src/pass/ir/GCM.java /coursegrader/submitdata/src/pass/ir/HoistGlobalArrayLoad.java /coursegrader/submitdata/src/pass/ir/BlockReorder.java /coursegrader/submitdata/src/pass/ir/IRPass.java /coursegrader/submitdata/src/pass/ir/FuseBasicBlock.java /coursegrader/submitdata/src/pass/ir/IRPassManager.java /coursegrader/submitdata/src/pass/ir/RemoveTrivialPhi.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/pass/ir/GlobalVariableToValue.java /coursegrader/submitdata/src/pass/backend/BackendPassManager.java /coursegrader/submitdata/src/pass/backend/BackendPass.java /coursegrader/submitdata/src/pass/backend/Peephole.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/ArmlInstUnary.java /coursegrader/submitdata/src/backend/arm/ArmlInstMove.java /coursegrader/submitdata/src/backend/arm/ArmlInstStore.java /coursegrader/submitdata/src/backend/arm/ArmlInstParamLoad.java /coursegrader/submitdata/src/backend/arm/ArmlInstStackLoad.java /coursegrader/submitdata/src/backend/arm/ArmlInstLtor.java /coursegrader/submitdata/src/backend/arm/ArmlInstBinary.java /coursegrader/submitdata/src/backend/arm/ArmlInstLoad.java /coursegrader/submitdata/src/backend/arm/ArmlInstStackAddr.java /coursegrader/submitdata/src/backend/arm/ArmlInstReturn.java /coursegrader/submitdata/src/backend/arm/ArmlInst.java /coursegrader/submitdata/src/backend/arm/ArmFunction.java /coursegrader/submitdata/src/backend/arm/ArmlInstStackStore.java /coursegrader/submitdata/src/backend/arm/ArmBlock.java /coursegrader/submitdata/src/backend/arm/ArmShift.java /coursegrader/submitdata/src/backend/arm/ArmlInstFloatToInt.java /coursegrader/submitdata/src/backend/arm/ArmlInstIntToFloat.java /coursegrader/submitdata/src/backend/arm/ArmlInstBranch.java /coursegrader/submitdata/src/backend/arm/ArmlInstCmp.java /coursegrader/submitdata/src/backend/arm/ArmlInstCall.java /coursegrader/submitdata/src/backend/arm/ArmlInstTernary.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/Addr.java /coursegrader/submitdata/src/backend/operand/IVirtualReg.java /coursegrader/submitdata/src/backend/operand/lmm.java /coursegrader/submitdata/src/backend/operand/llmm.java /coursegrader/submitdata/src/frontend/info/CurrDefInfo.java /coursegrader/submitdata/src/frontend/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/ReplaceConstantArray.java /coursegrader/submitdata/src/pass/ir/memory/MemCache.java /coursegrader/submitdata/src/pass/ir/memory/RemoveUnnecessaryArray.java /coursegrader/submitdata/src/pass/ir/memory/MemPositionHandler.java /coursegrader/submitdata/src/pass/ir/memory/MemoryInfo.java /coursegrader/submitdata/src/pass/ir/memory/MemVariable.java /coursegrader/submitdata/src/pass/ir/memory/CollectMemoryDefinition.java /coursegrader/submitdata/src/pass/ir/dataflow/DataFlowInfo.java /coursegrader/submitdata/src/pass/ir/dataflow/BackwardDataFlowPass.java /coursegrader/submitdata/src/pass/ir/dataflow/ForwardDataFlowPass.java /coursegrader/submitdata/src/pass/ir/loop/LoopUnroll.java /coursegrader/submitdata/src/pass/ir/loop/LoopInvariantInfo.java /coursegrader/submitdata/src/pass/ir/loop/JustLoop.java /coursegrader/submitdata/src/pass/ir/loop/JustLoopBlockInfo.java /coursegrader/submitdata/src/pass/ir/loop/SimpleInvariantHoist.java /coursegrader/submitdata/src/pass/ir/loop/SimplifySSAForLoop.java /coursegrader/submitdata/src/pass/ir/loop/CanonicalLoop.java /coursegrader/submitdata/src/pass/ir/loop/LoopPass.java /coursegrader/submitdata/src/pass/ir/loop/InductionVariableReduce.java /coursegrader/submitdata/src/pass/ir/loop/FullyUnroll.java /coursegrader/submitdata/src/pass/ir/loop/CollectLoops.java /coursegrader/submitdata/src/pass/ir/loop/CollectAndTransformCanonicalLoops.java /coursegrader/submitdata/src/pass/ir/util/MultiBasicBlockCloner.java /coursegrader/submitdata/src/pass/ir/util/SimpleInstructionCloner.java &amp;&amp; cd /root/run/classes &amp;&amp; jar xf /coursegrader/dockerext/java-cup-11b-runtime.jar &amp;&amp; jar xf /coursegrader/dockerext/antlr-4.8-complete.jar &amp;&amp; jar --create --file /root/run/compiler.jar --main-class Compiler -C /root/run/classes .</pre>