

MiniJava Compiler Evaluation

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Correctness Tests: Parser

testcase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z	
all_operators.java							-			F	-	F	-								75	255	F		
all_statements.java										F	-					F	-			F	75	255	F		
bad_body.java												E	-								75	255			
Bottles.java										F	-	F	-		F			S			75	255	F		
decl_without_declarator.java																E	-				75	255			
deep_paren.java										F	-					F	-				75	255	F		
double_comma.java												E	-								75	255			
empty_block.java										F	-	F	-		F						75	255	F		
empty_class.java																F	-				75	255	F		
empty_statements.java										F	-					F	-				75	255	F		
extraneous_comma.java																E	-				75	255			
Fac.java										F	-	F	-		F			S			75	255	F		
Fib.java					F					F	-	F	-		F			S			75	255	F		
GCD.java										F	-	F	-		F			S			75	255	F		
HelloSomething.java																F	-	S			75	255	F		
if_else_else.java										F	-	F	-			F	-				75	255	F		
keyword_var.java															E						75	255			
LinkedList.java		F			F					F	-				F			S		F	75	255	F		
long_lhs.java					F					F	-					F	-	S		F	75	255	F		
misc.java										F	-					F	-	S			75	255	F		
missing_brace2.java												E	-			E	-				75	255			
missing_brace.java																S	-				75	255			
missing_comma.java					E											E	-				75	255			
missing_init.java					E							E	-			E	-				75	255			
missing_operand.java					E											E	-				75	255			
missing_param_name.java												E	-			E	-				75	255			
missing_public.java												E	-			E	-				75	255			
multiple_classes.java																F	-				75	255	F		
multiple_comma.java												E	-			E	-				75	255			
non_block_declaration.java																S	-				75	255			
OP_Triples_All.java	F									I	-				F	I	-			A	75	255	F		
OP_Triples.java	F														F	I	-				75	255	F		
other_main.java					F					F	-					F	-				75	255	F		
out.java																E	-				75	255			
semicolon_in_class.java												E	-			E	-				75	255			
split_operator.java					E					E	-	E	-			E	-				75	255			
system.java										F	-					F	-			F	75	255	F		
System_out_println_x.java					F					F	-							S		F	75	255	F		
passed (of 38)							0	38	38	20	0	20	38	0	24	4	0	29	38	32	0	0	17	38	
size (bytes)	93,067	88,894	52,736	96,436	50,942	36,397	0	97,897	75,332	51,767	36,142	18,853	136,470	37,488	16,541	136,537	0	250,351	227,831	66,413	7,962	12,578	5,064	46,121	

X wrong output
 E error not detected
 F failed with error on valid input
 S segfault
 A assertion/abort
 I infinite loop

Correctness Tests: Pretty Printer, fully parenthesized

test case	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z
all_operators.java		S	X			X	-		X	X	-	F		-	X	F	-		X	X	75	255	F	
all_statements.java			X			X	-		X	X	-	F		-	X	F	-	X	X	F	75	255	F	
associativity.java			X		X		-		X	X	-	F		-	X	F	-		X	X	75	255	F	
Bottles.java			X			X	-			X	-	F		-	X	F	-	S	X	X	75	255	F	
compare.java			X			X	-		X	X	-	F		-	X	F	-			X	75	255	F	
deep_paren.java			X			X	-		X	X	-	F		-	X	F	-			X	75	255	F	
empty_class.java			X			X	-			X	-	F		-	X	F	-			X	75	255	F	
empty_method.java			X			X	-		X	X	-	F		-	X	F	-			X	75	255	F	
example_full.java			X			X	-		X	X	-	F		-	X	F	-	S	X	X	75	255	F	
example.java			X			X	-			X	-	F		-	X	F	-	S	X	X	75	255	F	
example_min.java			X			X	-		X	X	-	F		-	X	F	-	S	X	X	75	255	F	
Fac.java			F	X		X	-			X	-	F		-	X	F	-	S	X	X	75	255	F	
Fib.java		A	X			X	-		X	X	-	F		-	X	F	-	S	X	X	75	255	F	
field_accesses.java			X			X	-		X	X	-	F		-	X	F	-	S		X	75	255	F	
GCD2.java			F	X		X	-		X	X	-	F		-	X	F	-	S	X	X	75	255	F	
GCD.java			F	X		X	-			X	-	F		-	X	F	-	S	X	X	75	255	F	
HelloSomething.java			X			X	-			X	-	F		-	X	F	-	S	X	X	75	255	F	
if_cascade.java			X			X	-		X	X	-	F		-	X	F	-	X	X	X	75	255	F	
if_if_else_else.java			X			X	-		X	X	-	F		-	X	F	-	X	X	X	75	255	F	
if_if_else.java			X			X	-		X	X	-	F		-	X	F	-		X	X	75	255	F	
multi_assign.java			X		X	X	-		X	X	-	F		-	X	F	-		X	X	75	255	F	
new.java			F			X	-		X	X	-	F		-	X	F	-	S	X	X	75	255	F	
precedence.java			X			X	-		X	X	-	F		-	X	F	-			X	75	255	F	
return_expr.java			X			X	-		X	X	-	F		-	X	F	-			X	75	255	F	
System_out_println_x.java			F	X		X	-		X	X	-	F		-	X	F	-	S	X	F	75	255	F	
passed (of 25)	25	19	0	25	23	0	0	25	5	0	0	0	25	0	0	0	0	10	7	0	0	0	0	25
size (bytes)	93,067	88,854	52,730	98,436	50,942	36,397	0	97,897	75,332	51,767	35,142	18,853	138,470	37,488	16,541	139,537	0	250,351	227,831	60,413	7,962	12,578	5,064	46,121

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Correctness Tests: Pretty Printer, minimally parenthesized

test case	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z
assign_in_expr.java			X			X	-		X	F	-	F		-	X	F	-			X	75	255	F	
boolean.java			X			X	-		X	F	-	F		-	X	F	-		X	X	75	255	F	
compare.java			X			X	-		X	F	-	F		-	X	F	-			X	75	255	F	
example_full.java			X			X	-		X	F	-	F		-	X	F	-	S	X	X	75	255	F	
example.java			X			X	-			F	-	F		-	X	F	-	S	X	X	75	255	F	
example_min.java			X			X	-		X	F	-	F		-	X	F	-	S	X	X	75	255	F	
explicit_braces.java			X			X	-		X	X	-	F		-	X	F	-			X	75	255	F	
field_accesses.java			X		X	X	-		X	F	-	F		-	X	F	-	S		F	75	255	F	
forced_assoc.java			X			X	-		X	F	-	F		-	X	F	-			X	75	255	F	
many_parentheses.java	X		X			X	-		X	F	-	F		-	X	F	-		X	X	75	255	F	
mixed_precedence.java			X			X	-		X	F	-	F		-	X	F	-			X	75	255	F	
multi_assign.java			X		X	X	-		X	F	-	F		-	X	F	-		X	X	75	255	F	
new.java			F			X	-		X	F	-	F		-	X	F	-	S	X	X	75	255	F	
no_parentheses.java			X			X	-		X	F	-	F		-	X	F	-		X	X	75	255	F	
passed (of 14)	13	14	0	14	12	0	0	14	1	0	0	0	14	0	0	0	0	9	6	0	0	0	0	14
size (bytes)	93,067	88,854	52,730	98,436	50,942	36,397	0	97,897	75,332	51,767	35,142	18,853	138,470	37,488	16,541	139,537	0	250,351	227,831	60,413	7,962	12,578	5,064	46,121

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Correctness Tests: Static Semantics

testcase	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	Z
b_cyclic_inheritance_conspiracy.java			E	S	E	-	E	E	E	-	-	-	-	E	-	-	-	S			75	255		E
b_duplicate_class.java			E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	-	E	E	75	255		
b_duplicate_field.java			E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	E	75	255		
b_duplicate_method.java			E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	E	75	255		
b_duplicate_var_inner_blocks.java			E	E	E	E	-	E	E	E	-	-	-	-	E	-	-	-	E	E	75	255		E
b_duplicate_var.java			E	E	E	E	-	E	E	E	-	-	-	-	E	-	-	-	E	E	75	255		E
b_empty.java			E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	S	75	255		E
b_missing_return_if.java			E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	E	75	255		
b_missing_return_simple.java			E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	E	75	255		
b_overload.java	E		E	S	S	E	-	E	E	E	-	-	-	-	-	-	-	-			75	255		E
b_parenthesized_expression_statement.java		E	E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	E	75	255		
b_same_name_param_var.java			E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-	E	E	75	255		E
b_tebbi_test.java			A				-				-	-	-	-	-	-	-	-			255			
b_unreachable_after_if_cascade.java	E	E	E	E	E	E	-	E	E	E	-	-	-	-	-	E	-	-	S		75	255		
b_unreachable_after_if_else.java	E	E	E	E	E	E	-	E	E	E	-	-	-	-	-	E	-	-			75	255		
b_unreachable_simple.java	E	E	E	E	E	E	-	E	E	E	-	-	-	-	-	-	-	-			75	255		
b_wrong_paren_System_out_println.java	E	E	E	E	E	E	-	E	E	E	-	-	-	-	-	E	-	-	S		75	255		E
g_assignments.java		A					-				-	F	-	-	-	F	-	S			F	75	255	F
g_compare_refs.java	F			S	S		-				-	F	F	-	-	F	-	-	F		F	75	255	F
g_comparisons.java							-				-	F	-	-	-	F	-	-			F	75	255	F
g_expression_statements.java		A					-				-	F	-	-	-	F	-	S			F	75	255	F
g_hidden_superclass_field.java				S	S		-				-	F	-	-	-	F	-	S			F	75	255	F
g_if_return_else_return.java							-				-	F	-	-	-	F	-	-			F	75	255	F
g_local_var_after_field_access.java							-				-	F	-	-	-	F	-	S			F	75	255	F
g_overwrite.java			F	S	S		-				-	F	F	-	-	F	-	S			F	75	255	F
g_parallel_var_decl.java	F						-				-	F	-	-	-	F	-	-			F	75	255	F
g_reachable_after_if_cascade.java							-				-	F	-	-	-	F	-	S			F	75	255	F
g_reachable_after_if.java							-				-	F	-	-	-	F	-	-			F	75	255	F
g_reachable_after_while.java							-				-	F	-	-	-	F	-	-			F	75	255	F
g_reachable_after_while.java				S	S		-				-	F	-	-	-	F	-	-			F	75	255	F
g_return_superclass.java							-				-	F	-	-	-	F	-	-			F	75	255	F
g_same_name_class_field_method_param.java		F					-				-	F	-	-	-	F	-	-			F	75	255	F
g_System.java							-				-	F	-	-	-	F	-	-			F	75	255	F
g_System_out_println_x.java							-				-	F	-	-	-	F	-	S			F	75	255	F
passed (of 33)	26	23	16	17	15	16	0	21	16	16	0	17	31	0	17	17	0	20	28	14	1	0	17	26
size (bytes)	93,067	88,894	52,730	98,436	50,942	36,397	0	97,897	75,332	51,707	35,142	18,853	138,470	37,488	16,541	139,537	0	250,351	227,831	60,413	7,962	12,578	5,064	46,121

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