

MiniJava Compiler Evaluation

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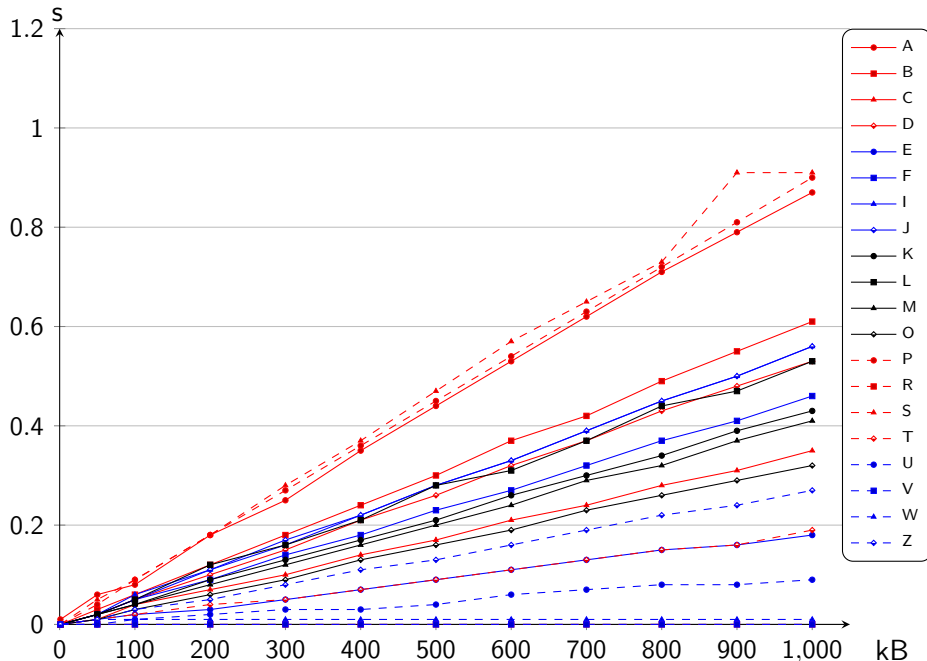
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Correctness Tests: Lexer

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_chars.java							-	-		X	F	X				F	-	F			X	255	F	
all_tokens.java							-	-		X	F	X				F	-	F			X	255	X	
big_number.java							-	-		X	F	X				F	-	F				255	I	
Bottles.java							-	-		X		X				F	-	S				255	X	
char_00.java							-	-				E								E	E	255		
char_0D.java							-	-		X	F	X				F	-	F				255	F	
char_FF.java						E	-	-				E								E	E	255	E	
char_invalid.java							-	-				E								E	E	255		
comment_2_in_1_line.java							-	-		X	F	X				F	-	F				255		
comment_at_end.java							-	-		X	F	X				F	-	F				255		
comment_at_start.java							-	-		X	F	X				F	-	F				255		
comment_minimal.java						S	-	-		X						F	-	F				255		
comment_multi-line.java							-	-		X		X				F	-	F				255		
comment_only.java						S	-	-		X						F	-	F				255		
comment_terminated.java							-	-				E			255						I	255	I	
comment_with_inv_char.java							-	-		X	F	X				F	-	F				255		
comment_with_slash.java							-	-		X	F	X				F	-	F		F		255		
double_slash.java							-	-		X	F	X				F	-	F			X	255	X	
empty.java						S	-	-		X						F	-	F				255		
exercise_example.java							-	-		X	F	X				F	-	F				255		
Fac.java							-	-		X	X	X				F	-	S				255	X	
Fib.java							-	-		X	X	X				F	-	S				255	X	
GCD.java							-	-		X	X	X				F	-	S				255	X	
HelloSomething.java							-	-		X	X	X				F	-	S				255	X	
identifiers.java							-	-		X	F	X				F	-	F				255	I	
long_ident.java							-	-		X	S	X				F	-	F				255	I	
MinInt.java							-	-		X	X	X				F	-	S				255		
mixed_eols.java							-	-		X	F	X				F	-	F				255	F	
no_eol.java						X	-	-		X	F	X				F	-	F				255		
numbers.java							-	-		X	F	X				F	-	F				255		
token_pairs.java				X			-	-		X	F	X				F	-	F		F	F	255	F	
tokens_seperated_by_comment.java							-	-		X	F	X				F	-	F				255		
whitespace.java							-	-		X	F	X				F	-	F				255		
passed (of 33)	33	33	33	32	33	28	0	0	33	4	14	3	33	0	32	4	0	4	33	28	25	0	17	33
size (bytes)	132,428	104,818	79,628	114,684	75,840	36,397	6728,603		132,672	51,767	59,478	18,853	184,005	37,488	16,541	139,537	0	428,645	288,922	60,413	7,962	12,578	54,768	46,121

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

Throughput Test: Lexer



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		F	-	-	-	-	S				44	255		
all_statements.java							-	-	F	F						F	-	S		F	44	255		
bad_body.java							-	-				E				E	-				44	255	E	
Bottles.java							-	-	F	F		F			F	-	-	S			44	255		
decl_without_declarator.java							-	-								E	-				44	255	E	
deep_paren.java							-	-	F	F						F	-	S			44	255		
double_comma.java							-	-				E				E	-				44	255	E	
empty_block.java							-	-		F		F			F	F	-	S			44	255		
empty_class.java							-	-		F					F	-	-	S			44	255		
empty_statements.java							-	-		F					F	-	-	S			44	255		
extraneous_comma.java							-	-				E			E	-					44	255	E	
Fac.java							-	-	F	F		F			F	-	S				44	255		
Fib.java						F	-	-	F	F		F			F	-	S				44	255		
GCD.java							-	-	F	F		F			F	-	S				44	255		
HelloSomething.java							-	-	F						F	-	S				44	255		
if_else_else.java							-	-		F		F			F	-	S				44	255		
keyword_var.java							-	-							E	E	-				44	255	E	
LinkedList.java					F	F	-	-	F	F		F			F	I	-	S		F	44	255		
long_lhs.java				F	F		-	-	F	F					F	-	S			F	44	255		
misc.java							-	-	F	F					F	-	S				44	255		
missing_brace2.java							-	-				E			E	-					44	255	E	
missing_brace.java							-	-							S	-					44	255	E	
missing_comma.java						E	E	-							E	E	-				44	255	E	
missing_init.java						E	-	-				E			E	E	-				44	255	E	
missing_operand.java						E	-	-							E	E	-				44	255	E	
missing_param_name.java							-	-				E			E	-					44	255	E	
missing_public.java							-	-							E	-					44	255	E	
multiple_classes.java							-	-				E			F	-	S				44	255		
multiple_comma.java							-	-							S	E	-				44	255	E	
non_block_declaration.java							-	-							E	-					44	255	E	
OP_Triples_All.java							-	-	F	I					F	I	-	I		A	44	255		
OP_Triples.java							-	-	F	F					F	I	-	S			44	255		
other_main.java				F	F		-	-	F	F					F	-	F				44	255		
out.java							-	-							E	-					44	255	E	
semicolon_in_class.java							-	-							E	-					44	255	E	
split_operator.java						E	-	-		E		E			E	-					44	255	E	
system.java							-	-	F	F					F	-	S			F	44	255		
System_out_println_x.java						F	-	-	F	F					-	-	S			F	44	255		
passed (of 38)	38	38	38	36	38	29	0	0	22	20	38	20	38	0	24	4	0	17	38	32	0	0	21	38
size (bytes)	132,429	104,818	79,628	114,694	75,840	36,397	0	6728,603	132,672	51,707	59,478	18,853	184,005	37,488	16,541	139,537	0	428,645	288,922	60,413	7,902	12,578	54,708	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						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
all_statements.java						X	-	-	F	X	X	F		-	X	F	-	S		F	44	255	X	
associativity.java			X			X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
Bottles.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
compare.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
deep_paren.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
empty_class.java						X	-	-		X	F	F		-	X	F	-	S		X	44	255	X	
empty_method.java						X	-	-		X		F		-	X	F	-	S		X	44	255	X	
example_full.java						X	-	-	F	X	F	F		-	X	F	-	S		X	44	255	X	
example.java						X	-	-	F	X	F	F		-	X	F	-	S		X	44	255	X	
example_min.java						X	-	-	F	X	F	F		-	X	F	-	S		X	44	255	X	
Fac.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
Fib.java						X	-	-	F	X	F	F		-	X	F	-	S		X	44	255	X	
field_accesses.java						X	-	-	A	X	F	F		-	X	F	-	S		X	44	255	X	
GCD2.java						X	-	-	F	X	X	F		-	X	F	-	S		X	44	255	X	
GCD.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
HelloSomething.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
if_cascade.java						X	-	-		X		F		-	X	F	-	S		X	44	255	X	
if_if_else_else.java						X	-	-		X	X	F		-	X	F	-	S		X	44	255	X	
if_if_else.java						X	-	-		X	X	F		-	X	F	-	S		X	44	255	X	
multi_assign.java			X			X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
new.java				F		X	-	-		X	F	F		-	X	F	-	S		X	44	255	X	
precedence.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
return_expr.java						X	-	-	F	X		F		-	X	F	-	S		X	44	255	X	
System_out_println_x.java						X	-	-	F	X	F	F		-	X	F	-	S		F	44	255	X	
passed (of 25)	25	25	23	24	25	0	0	0	6	0	13	0	25	0	0	0	0	0	25	0	0	0	0	25
size (bytes)	132,429	104,818	79,628	114,684	75,840	36,397	6728,603	132,672	51,767	59,478	18,853	184,005	37,488	16,541	139,537	0	428,645	288,922	60,413	7,962	12,578	54,768	46,121	5

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, 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	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
boolean.java			X			X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
compare.java						X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
example_full.java						X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
example.java						X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
example_min.java						X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
explicit_braces.java			X			X	-	-	F	X	X	F		-	X	F	-	S		X	44	255	X		
field_accesses.java					X	X	-	-	A	F	F	F		-	X	F	-	S		F	44	255	X		
forced_assoc.java						X	-	-	F	F	X	F		-	X	F	-	S		X	44	255	X		
many_parentheses.java	X		X			X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
mixed_precedence.java						X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
multi_assign.java			X			X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
new.java				F		X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
no_parentheses.java						X	-	-	F	F	F		-	X	F	-	S		X	44	255	X			
passed (of 14)	13	14	10	13	13	0	0	0	1	0	7	0	14	0	0	0	0	0	14	0	0	0	0	0	14
size (bytes)	132,429	104,818	79,628	114,684	75,840	36,397	0	6728,603	132,672	51,767	59,478	18,853	184,005	37,488	16,541	139,537	0	428,645	288,922	60,413	7,962	12,578	54,768	46,121	

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

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		E	-	-			E				-	E		-				44	255	E	E
b_duplicate_class.java			E		E	-	-			E				-	E		-				E	44	255	E
b_duplicate_field.java			E		E	-	-			E				-	E		-				E	44	255	E
b_duplicate_method.java			E		E	-	-		S					-	E		-				E	44	255	E
b_duplicate_var_inner_blocks.java			E		E	-	-		E	E	E			-	E		-				E	44	255	E
b_duplicate_var.java			E		E	-	-			E				-	E		-				E	44	255	E
b_empty.java			E		E	-	-		E	E	E			-	E		-			S	44	255	E	E
b_missing_return_if.java			E		E	-	-			E	E			-	E		-				E	44	255	E
b_missing_return_simple.java			E		E	-	-			E	E			-	E		-				E	44	255	E
b_overload.java			E		E	-	-			E				-	E		-				44	255	E	E
b_parenthesized_expression_statement.java			E	E	E	-	-			E	E			-	E		-	S			E	44	255	E
b_same_name_param_var.java			E		E	-	-			E	E			-	E		-				E	44	255	E
b_tebbi_test.java			E		E	-	-		E					-	E		-				255			
b_unreachable_after_if_cascade.java			E		E	-	-			E	E			-	E		-				44	255	E	
b_unreachable_after_if_else.java			E		E	-	-			E	E			-	E		-				44	255	E	
b_unreachable_simple.java			E		E	-	-			E	E			-	E		-				44	255	E	
b_wrong_paren_System_out_println.java			E		E	E	E			E				-	E		-	S			E	44	255	E
g_assignments.java				F	E	-	-			F	F			-	F		-	S			F	44	255	
g_compare_refs.java				F		-	-			F	F			-	F		-	S			44	255		
g_comparisons.java				F		-	-		F	F	F			-	F		-	S			44	255		
g_expression_statements.java				F	F	-	-		A	F	F			-	F		-	F			44	255		
g_hidden_superclass_field.java				F		-	-		I	F	F			-	F		-	S			F	44	255	
g_if_return_else_return.java				F		-	-		F	F	F			-	F		-	S			44	255		
g_local_var_after_field_access.java				F		-	-		F	F	F			-	F		-	S			44	255		
g_overwrite.java				F		-	-		F	F	F			-	F		-	S			F	44	255	
g_parallel_var_decl.java				F		-	-			F	F			-	F		-	S			44	255		
g_reachable_after_if_cascade.java				F		-	-			F	F			-	F		-	S			F	44	255	
g_reachable_after_if.java				F		-	-		F	F	F			-	F		-	S			F	44	255	
g_reachable_after_while.java				F		-	-		F	F	F			-	F		-	S			F	44	255	
g_return_superclass.java				F		-	-			F	F			-	F		-	S			44	255		
g_same_name_class_field_method_param.java				F		-	-			F	F			-	F		-	S			44	255		
g_System.java				F		-	-		F	F	F			-	F		-	S			F	44	255	
g_System_out_println_x.java				F		-	-		F	F	F			-	F		-	S			F	44	255	
passed (of 33)	33	33	17	27	30	16	0	0	18	16	15	17	33	0	17	0	15	33	33	14	1	0	17	26
size (bytes)	132,429	104,818	79,628	114,694	75,840	36,397	0	6728,603	132,672	51,767	59,478	18,853	184,005	37,488	16,541	139,537	0	428,645	288,922	60,413	7,962	12,578	54,768	46,121

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