

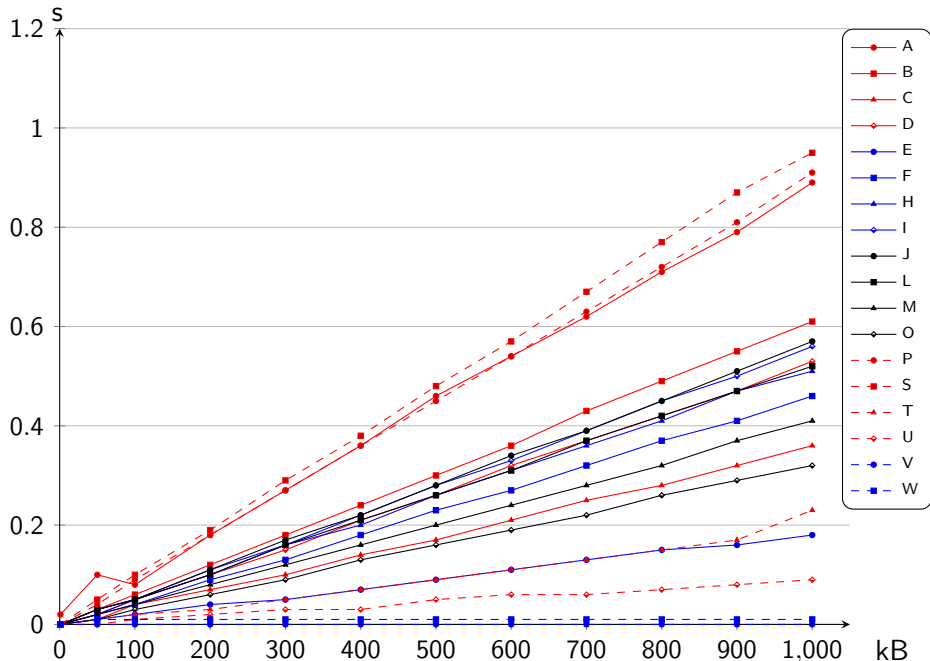
MiniJava Compiler Evaluation

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March 1, 2012

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	44	255	-	-
all_statements.java							-			F	-			-		F	-			F	44	255	-	-
bad_body.java							-				-	E				E	-				44	255	E	-
Bottles.java							-			F	-	F		-	F						44	255	-	-
decl_without_declarator.java							-				-					E	-				44	255	E	-
deep_paren.java							-			F	-			-		F	-				44	255	-	-
double_comma.java							-				-	E				E	-				44	255	E	-
empty_block.java							-			F	-	F		-	F	F	-				44	255	-	-
empty_class.java							-				-	F		-	F	F	-				44	255	-	-
empty_statements.java							-			F	-			-		F	-				44	255	-	-
extraneous_comma.java							-				-	E		-	E	E	-				44	255	E	-
Fac.java							-			F	-	F		-	F	F	-				44	255	-	-
Fib.java					F		-			F	-	F		-	F	F	-				44	255	-	-
GCD.java							-			F	-	F		-	F	F	-				44	255	-	-
HelloSomething.java							-				-			-		F	-				44	255	-	-
if_if_else_else.java							-			F	-	F		-		F	-				44	255	-	-
keyword_var.java							-				-			-	E	E	-				44	255	E	-
LinkedList.java					F		-			F	-			-	F	I	-			F	44	255	-	-
long_lhs.java					F		-			F	-			-		F	-			F	44	255	-	-
misc.java							-			F	-			-		F	-				44	255	-	-
missing_brace1.java							-				-	E		-		E	-				44	255	E	-
missing_brace2.java							-				-			-		S	-				44	255	E	-
missing_comma.java					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		-		E	-				44	255	E	-
multiple_classes.java							-				-			-		F	-				44	255	-	-
multiple_comma.java							-				-	E		-	S	E	-				44	255	E	-
non_block_declaration.java				E			-				-			-	E	E	-				44	255	E	-
OP_Triples_All.java							-			I	-			-	F	I	-			A	44	255	-	-
OP_Triples.java							-				-			-	F	I	-				44	255	-	-
other_main.java					F		-			F	-			-		F	-				44	255	-	-
out.java							-				-			-		E	-				44	255	E	-
semicolon_in_class.java							-				-	E		-		E	-				44	255	E	-
split_operator.java					E		-			E	-	E		-		E	-				44	255	E	-
system.java							-			F	-			-		F	-			F	44	255	-	-
System_out_println_x.java					F		-			F	-			-		F	-			F	44	255	-	-
passed (of 38)	38	38	38	38	37	29	0	38	38	20	0	20	38	0	24	4	0	0	38	32	0	0	21	0
size (bytes)	179,781	121,410	106,510	141,365	122,414	36,397	0	6732,287	144,901	51,767	87,702	18,853	206,079	37,488	16,541	139,537	0	495,544	346,229	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

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	44	255	X	-
all_statements.java		S			X	X	-		X	X	-	F		-	X	F	-	-		F	44	255	X	-
associativity.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
Bottles.java		S		X	F	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
compare.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
deep_paren.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
empty_class.java		S			X		-			X	-	F		-	X	F	-	-		X	44	255	X	-
empty_method.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
example_full.java		S			S	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
example.java		S			X		-			X	-	F		-	X	F	-	-		X	44	255	X	-
example_min.java		S			S	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
Fac.java		S			F	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
Fib.java		S			X	X	-		X	X	-	F		-	X	F	-	-		X	44	255	X	-
field_accesses.java		S			X	X	-		X	X	-	F		-	X	F	-	-		X	44	255	X	-
GCD2.java		S			X		-		X	X	-	F		-	X	F	-	-		X	44	255	X	-
GCD.java		S			F	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
HelloSomething.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
if_cascade.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
if_if_else_else.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
if_if_else.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
multi_assign.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
new.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
precedence.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
return_expr.java		S			X	X	-			X	-	F		-	X	F	-	-		X	44	255	X	-
System_out_println_x.java		S			S	X	-		X	X	-	F		-	X	F	-	-		F	44	255	X	-
passed (of 25)	25	0	25	23	4	0	0	25	20	0	0	0	25	0	0	0	0	0	25	0	0	0	0	0
size (bytes)	179,781	121,410	105,510	141,365	122,414	36,397	0	6732,287	144,901	51,767	87,702	18,853	208,079	37,488	16,541	139,537	0	495,544	348,229	60,413	7,962	12,578	54,768	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		S			X	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
boolean.java		S			X	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
compare.java		S			X	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
example_full.java		S			S	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
example.java		S				X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
example_min.java		S			S	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
explicit_braces.java		S				X	-		X	X	-	F		-	X	F	-	-		X	44	255	X	-
field_accesses.java		S			X	X	-			F	-	F		-	X	F	-	-		F	44	255	X	-
forced_assoc.java		S			X	X	-		X	F	-	F		-	X	F	-	-		X	44	255	X	-
many_parentheses.java		S	X			X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
mixed_precedence.java		S			X	X	-		X	F	-	F		-	X	F	-	-		X	44	255	X	-
multi_assign.java		S			X	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
new.java		S			X	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
no_parentheses.java		S			X	X	-			F	-	F		-	X	F	-	-		X	44	255	X	-
passed (of 14)	14	0	13	14	2	0	0	14	11	0	0	0	14	0	0	0	0	0	14	0	0	0	0	0
size (bytes)	179,781	121,410	105,510	141,365	122,414	36,397	0	6732,287	144,901	51,767	87,702	18,853	208,079	37,488	16,541	139,537	0	495,544	348,229	60,413	7,962	12,578	54,768	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	-			E	-				E	-	-				44	255	E	-	
b_duplicate_class.java						E	-			E	-				E	-	-				E	44	255	E	-
b_duplicate_field.java						E	-			E	-				E	-	-				E	44	255	E	-
b_duplicate_method.java						E	-			E	-				E	-	-				E	44	255	E	-
b_duplicate_var_inner_blocks.java						E	-			E	-				E	-	-				E	44	255	E	-
b_duplicate_var.java						E	-			E	-				E	-	-				E	44	255	E	-
b_empty.java			E			E	-			E	-				E	-	-				S	44	255	E	-
b_missing_return_if.java						E	-			E	-				E	-	-				E	44	255	E	-
b_missing_return_simple.java						E	-			E	-				E	-	-				E	44	255	E	-
b_overload.java					E	E	-			E	-				E	-	-					44	255	E	-
b_parenthesized_expression_statement.java				E		E	-			E	-				E	-	-				E	44	255	E	-
b_same_name_param_var.java						E	-			E	-				E	-	-				E	44	255	E	-
b_tebbi_test.java						E	-			E	-				E	-	-					255			
b_unreachable_after_if_cascade.java						E	-			E	-				E	-	-					44	255	E	-
b_unreachable_after_if_else.java						E	-			E	-				E	-	-					44	255	E	-
b_unreachable_simple.java						E	-			E	-				E	-	-					44	255	E	-
b_wrong_paren_System_out_println.java					E	E	-			E	-				E	-	-				E	44	255	E	-
g_assignments.java		S		F			-				F					F	-				F	44	255	-	
g_compare_refs.java		S		F			-				F					F	-					44	255	-	
g_comparisons.java		S					-				F					F	-					44	255	-	
g_expression_statements.java		S		F			-				F					F	-					44	255	-	
g_hidden_superclass_field.java		S					-				F					F	-				F	44	255	-	
g_if_return_else_return.java		S					-				F					F	-					44	255	-	
g_local_var_after_field_access.java		S					-				F					F	-					44	255	-	
g_overwrite.java		S					-				F					F	-					44	255	-	
g_parallel_var_decl.java		S					-				F					F	-					44	255	-	
g_reachable_after_if_cascade.java		S		F			-				F					F	-				F	44	255	-	
g_reachable_after_if.java		S					-				F					F	-					44	255	-	
g_reachable_after_while.java		S					-				F					F	-					44	255	-	
g_return_superclass.java		S					-				F					F	-					44	255	-	
g_same_name_class_field_method_param.java		S					-				F					F	-					44	255	-	
g_System.java		S					-				F					F	-				F	44	255	-	
g_System_out_println_x.java		S		S			-				F					F	-				F	44	255	-	
passed (of 33)	33	17	32	30	28	16	0	33	33	16	0	17	33	0	17	17	0	0	33	14	1	0	0	17	0
size (bytes)	179,781	121,410	105,510	141,365	122,414	36,397	0	6732,287	144,901	51,767	87,702	18,853	208,079	37,488	16,541	139,537	0	495,544	348,229	60,413	7,962	12,578	54,768	46,121	

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