

MiniJava Compiler Evaluation

Daniel Grund

`grund@cs.uni-saarland.de`

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Correctness Tests: Lexer

test case	A	B	C	D	E	H	I	J	K	L	M	O	P	R	S	T	Z
all_chars.java			X					X	-	X			-	X			-
all_tokens.java			X					X	-	X			-	X			-
big_number.java			X	X				X	-	X			-				-
Bottles.java			X					X	-	X			-				-
char_00.java				E						-	E		-				-
char_0D.java			X					X	-	X			-				-
char_FF.java				E						-	E		-				-
char_invalid.java				A						-	E		-				-
comment_2_in_1_line.java			X					X	-	X			-				-
comment_at_end.java			X					X	-	X			-				-
comment_at_start.java			X					X	-	X			-				-
comment_minimal.java			X					X	-				-				-
comment_multi-line.java			X					X	-	X			-				-
comment_only.java			X					X	-				-				-
comment_terminated.java				E						-	E	255	-				-
comment_with_inv_char.java			X					X	-	X			-				-
comment_with_slash.java			X					X	-	X			-		X		-
double_slash.java			X					X	-	X			-				-
empty.java								X	-				-				-
exercise_example.java			X					X	-	X			-				-
Fac.java			X					X	-	X			-				-
Fib.java			X					X	-	X			-				-
GCD.java			X					X	-	X			-				-
HelloSomething.java			X					X	-	X			-				-
identifiers.java			X					X	-	X			-				-
long_ident.java			X					X	-	X			-				-
MinInt.java			X	X				X	-	X			-				-
mixed_eols.java			X					X	-	X			-				-
no_eol.java			X					X	-	X			-				-
numbers.java			X					X	-	X			-				-
token_pairs.java			X	X				X	-	X			-	X			-
tokens_seperated_by_comment.java			X					X	-	X			-				-
whitespace.java			X					X	-	X			-				-
passed (of 33)	33	33	5	26	33	33	33	4	0	3	33	32	0	30	32	0	33
size (bytes)	58,010	48,556	51,223	71,174	36,908	72,388	46,137	51,767	34,794	18,853	86,324	16,541	70,547	184,562	167,825	57,508	46,121

X wrong output

E error not detected

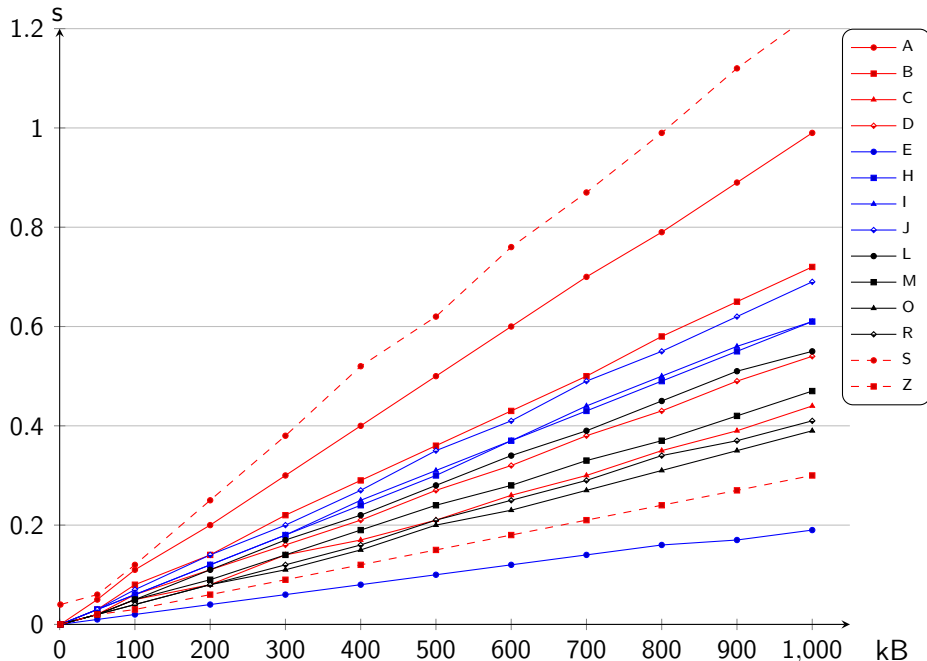
F failed with error on valid input

S segfault

A assertion/abort

I infinite loop

Throughput Test: Lexer



Correctness Tests: Parser

testcase	A	B	C	D	E	H	I	J	K	L	M	O	P	R	S	T	Z
all_operators.java								F	-	F			-	F		-	
all_statements.java								F	-								
bad_body.java								-	E								
Bottles.java								F	-	F		F					
decl_without_declarator.java								-									
deep_paren.java								F	-								
double_comma.java										E							
empty_block.java								F	-	F		F					
empty_class.java										F							
empty_statements.java								F	-								
extraneous_comma.java										E			E				
Fac.java								F	-	F			F				
Fib.java								F	-	F							
GCD.java								F	-	F			F				
HelloSomething.java								-									
if_if_else_else.java								F	-	F							
keyword_var.java													E				
LinkedList.java		F						F	-				F				
long_rhs.java						F		F	-		F						
misc.java								F	-								
missing_brace2.java										E							
missing_brace.java					E												
missing_comma.java													E				
missing_init.java													E				
missing_operand.java													E				
missing_param_name.java										E							
missing_public.java										E							
multiple_classes.java																	
multiple_comma.java										E			S				
non_block_declaration.java				E									E				
OP_Triples_All.java								I	I				F				
OP_Triples.java													F				
other_main.java								F	-								
out.java																	
semicolon_in_class.java													E				
split_operator.java										E		E					
system.java										F							
System_out_println_x.java										F							
passed (of 38)	38	38	37	36	38	37	37	20	0	20	37	24	0	37	38	0	38
size (bytes)	98,010	48,596	51,228	71,174	36,908	72,389	46,137	51,767	34,794	18,853	86,324	16,541	70,547	184,562	167,826	57,508	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	H	I	J	K	L	M	O	P	R	S	T	Z
all_operators.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
all_statements.java	X		X	S	X	X	X	X	-	F	X	-	F	X	-	-	-
associativity.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
Bottles.java			X	X	X	X	X	X	-	F	X	-	-	X	-	-	-
compare.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
deep_paren.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
empty_class.java				X			X	X	-	F	X	-	-	-	-	-	-
empty_method.java			X	X		X	X	X	-	F	X	-	-	-	-	-	-
example_full.java			X	X	X	X	X	X	-	F	X	-	-	X	-	-	-
example.java			X	X		X	X	X	-	F	X	-	-	X	-	-	-
example_min.java			X	X		X	X	X	-	F	F	X	-	-	X	-	-
Fac.java			X	X		X	X	X	-	F	X	-	-	X	-	-	-
Fib.java			X	X	X	X	X	X	-	F	X	-	-	X	-	-	-
field_accesses.java			X	X		X	X	X	-	F	X	-	-	-	-	-	-
GCD2.java	X		X	X		X	X	X	-	F	X	-	X	X	-	-	-
GCD.java			X	X		X	X	X	-	F	X	-	X	X	-	-	-
HelloSomething.java			X	X		X	X	X	-	F	X	-	-	-	-	-	-
if_cascade.java			X	X	X	X	X	X	-	F	X	-	X	X	-	-	-
if_if_else_else.java	X		X	X	X	X	X	X	-	F	X	-	X	X	-	-	-
if_if_else.java	X		X	X		X	X	X	-	F	X	-	-	X	-	-	-
multi_assign.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
new.java			F	X	X	X	X	X	-	F	F	X	-	-	-	-	-
precedence.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
return_expr.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
System_out_println_x.java			X	X	X	X	X	X	-	F	X	-	-	-	-	-	-
passed (of 25)	21	25	1	0	14	1	0	0	0	0	23	0	0	20	13	0	25
size (bytes)	58,010	48,556	51,223	71,174	36,908	72,389	46,137	51,767	34,794	18,853	86,324	16,541	70,547	184,562	167,825	57,508	46,121

X wrong output
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S segfault
 A assertion/abort
 I infinite loop

Correctness Tests: Pretty Printer, minimally parenthesized

test case	A	B	C	D	E	H	I	J	K	L	M	O	P	R	S	T	Z
assign_in_expr.java	X		X	X	X	X	X	F	-	F		X	-			-	
boolean.java			X	X	X	X	X	F	-	F		X	-			-	
compare.java			X	X		X	X	F	-	F		X	-			-	
example_full.java			X	X		X	X	F	-	F		X	-		X	-	
example.java			X	X		X	X	F	-	F		X	-		X	-	
example_min.java			X	X		X	X	F	-	F	F	X	-		X	-	
explicit_braces.java			X	X		X	X	X	-	F		X	-			-	
field_accesses.java			X	X		X	X	F	-	F		X	-			-	
forced_assoc.java			X	X	X	X	X	F	-	F		X	-			-	
many_parentheses.java	X		X	X	X	X	X	F	-	F		X	-			-	
mixed_precedence.java			X	X		X	X	F	-	F		X	-			-	
multi_assign.java			X	X		X	X	F	-	F		X	-	X		-	
new.java	X		F	X	X	X	X	F	-	F	S	X	-			-	
no_parentheses.java			X	X		X	X	F	-	F		X	-			-	
passed (of 14)	11	14	0	0	9	0	0	0	0	0	12	0	0	13	11	0	14
size (bytes)	58,010	48,556	51,223	71,174	36,908	72,389	46,137	51,767	34,794	18,853	86,324	16,541	70,547	184,562	167,825	57,508	46,121

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