

Artisan Testing Results

July 28, 2023

1 c++98

1.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
ArrayTypeTraitExpr	0.01	True	0.01	True	0	False	0.052	True
CXXBindTemporaryExpr	0.01	True	0.01	True	0	False	0.048	True
CXXBoolLiteralExpr	0.01	True	0.01	True	0	False	0.047	True
CXXConstCastExpr	0.01	True	0.01	True	0	False	0.055	True
CXXConstructExpr	0.01	True	0.01	True	0	False	0.052	True
CXXConversionDecl	0.01	True	0.01	True	0	False	0.06	True
CXXDefaultArgExpr	0.01	True	0.01	True	0	False	0.044	True
CXXDependentScopeMemberExpr	0.01	True	0.01	True	0	False	0.054	True
CXXDestructorDecl	0.01	True	0.01	True	0	False	0.045	True
CXXDynamicCastExpr	0.01	True	0.01	True	0	False	0.049	True
CXXFoldExpr	0.01	True	0.01	True	0	False	0.05	True
CXXFunctionalCastExpr	0.02	True	0.02	True	0	False	0.047	True
CXXMemberCallExpr	0.01	True	0.01	True	0	False	0.056	True
CXXNewExpr	0.01	True	0.01	True	0	False	0.057	True
CXXOperatorCallExpr	0.01	True	0.02	True	0	False	0.047	True
CXXPseudoDestructorExpr	0.01	True	0.01	True	0	False	0.046	True
CXXReinterpretCastExpr	0.01	True	0.01	True	0	False	0.048	True
CXXScalarValueInitExpr	0.01	True	0.01	True	0	False	0.046	True
CXXStaticCastExpr	0.01	True	0.01	True	0	False	0.047	True
CXXThisExpr	0.01	True	0.01	True	0	False	0.049	True
CXXThrowExpr	0.24	True	0.24	True	0	False	0.501	True
CXXTypeidExpr	0.23	True	0.23	True	0	False	0.509	True
CXXUnresolvedConstructExpr	0.01	True	0.01	True	0	False	0.047	True
ClassScopeFunctionSpecializationDecl	0.01	True	0.01	True	0	False	0.045	True
ClassTemplatePartialSpecializationDecl	0.01	True	0.01	True	0	False	0.046	True
ClassTemplateSpecializationDecl	0.01	True	0.01	True	0	False	0.049	True
DependentScopeDeclRefExpr	0.01	True	0.01	True	0	False	0.051	True
ExprWithCleanups	0.01	True	0.01	True	0	False	0.046	True
FileScopeAsmDecl	0.01	True	0.01	True	0	False	0.049	True
FriendDecl	0.01	True	0.01	True	0	False	0.047	True
FunctionTemplateDecl	0.01	True	0.01	True	0	False	0.047	True

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
GNUNullExpr	0.01	True	0.01	True	0	False	0.049	True
ImplicitCastExpr	0.01	True	0.01	True	0	False	0.049	True
InitListExpr	0.01	True	0.01	True	0	False	0.048	True
LinkageSpecDecl	0.01	True	0.01	True	0	False	0.043	True
MaterializeTemporaryExpr	0.01	True	0.01	True	0	False	0.047	True
NamespaceAliasDecl	0.01	True	0.01	True	0	False	0.047	True
NamespaceDecl	0.01	True	0.01	True	0	False	0.044	True
NonTypeTemplateParmDecl	0.01	True	0.01	True	0	False	0.047	True
OpaqueValueExpr	0.01	True	0.01	True	0	False	0.049	True
ParenListExpr	0.01	True	0.01	True	0	False	0.048	True
SizeOfPackExpr	0.01	True	0.01	True	0	False	0.046	True
SubstNonTypeTemplateParmExpr	0.21	True	0.22	True	0	False	0.509	True
TemplateTypeParmDecl	0.01	True	0.01	True	0	False	0.048	True
UnresolvedUsingValueDecl	0.01	True	0.01	True	0	False	0.047	True
UsingDirectiveDecl	0.01	True	0.01	True	0	False	0.062	True
VAArgExpr	0.04	True	0.04	True	0	False	0.09	True
and	0.01	True	0.01	True	0	False	0.049	True
and_eq	0.01	True	0.01	True	0	False	0.044	True
bitand	0.01	True	0.01	True	0	False	0.046	True
bitor	0.01	True	0.01	True	0	False	0.048	True
bool	0.01	True	0.01	True	0	False	0.048	True
break_do	0.01	True	0.01	True	0	False	0.047	True
break_for	0.01	True	0.01	True	0	False	0.047	True
break_switch	0.01	True	0.01	True	0	False	0.053	True
break_while	0.01	True	0.01	True	0	False	0.042	True
case	0.01	True	0.01	True	0	False	0.046	True
catch	0.01	True	0.01	True	0	False	0.05	True
char	0.01	True	0.01	True	0	False	0.048	True
class	0.01	True	0.01	True	0	False	0.045	True
class_public	0.01	True	0.01	True	0	False	0.046	True
compl	0.02	True	0.02	True	0	False	0.046	True
const	0.01	True	0.01	True	0	False	0.049	True
const_cast	0.01	True	0.01	True	0	False	0.048	True
continue_do_while_loop	0.01	True	0.01	True	0	False	0.046	True
continue_for_loop	0.01	True	0.01	True	0	False	0.044	True
continue_while_loop	0.01	True	0.01	True	0	False	0.046	True
default	0.01	True	0.01	True	0	False	0.046	True
delete_ptr	0.01	True	0.01	True	0	False	0.047	True
do_while	0.01	True	0.01	True	0	False	0.053	True
double_var_decl	0.01	True	0.01	True	0	False	0.049	True
dynamic_cast	0.01	True	0.01	True	0	False	0.054	True
enum_decl	0.01	True	0.01	True	0	False	0.05	True
explicit_struct_member_decl	0.01	True	0.01	True	0	False	0.05	True
extern_language_func_decl	0.01	True	0.01	True	0	False	0.045	True

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
false	0.01	True	0.01	True	0	False	0.046	True
float_var_decl	0.01	True	0.01	True	0	False	0.051	True
for_loop	0.01	True	0.01	True	0	False	0.046	True
friend_member_decl	0.01	True	0.01	True	0	False	0.045	True
goto	0.01	True	0.01	True	0	False	0.062	True
if	0.01	True	0.01	True	0	False	0.052	True
if_else	0.01	True	0.01	True	0	False	0.057	True
inline_func_decl	0.01	True	0.01	True	0	False	0.048	True
int_var_decl	0.01	True	0.01	True	0	False	0.044	True
long_var_decl	0.01	True	0.01	True	0	False	0.047	True
mutable_struct_member_decl	0.03	True	0.03	True	0	False	0.072	True
named_union_decl	0.01	True	0.01	True	0	False	0.048	True
namespace	0.01	True	0.01	True	0	False	0.047	True
new	0.01	True	0.01	True	0	False	0.047	True
not	0.01	True	0.01	True	0	False	0.048	True
not_eq	0.01	True	0.01	True	0	False	0.05	True
operator	0.01	True	0.01	True	0	False	0.05	True
or	0.01	True	0.01	True	0	False	0.049	True
or_eq	0.01	True	0.01	True	0	False	0.057	True
private	0.01	True	0.01	True	0	False	0.048	True
protected_member_decl	0.01	True	0.02	True	0	False	0.046	True
register	0.01	True	0.01	True	0	False	0.048	True
return	0.01	True	0.01	True	0	False	0.047	True
short_val_decl	0.01	True	0.01	True	0	False	0.057	True
signed_var_decl	0.01	True	0.01	True	0	False	0.042	True
sizeof	0.01	True	0.01	True	0	False	0.059	True
static_cast	0.01	True	0.01	True	0	False	0.045	True
static_var_decl	0.01	True	0.01	True	0	False	0.052	True
struct_decl	0.01	True	0.01	True	0	False	0.047	True
switch_case	0.01	True	0.01	True	0	False	0.046	True
template_decl	0.01	True	0.01	True	0	False	0.047	True
template_typename	0.01	True	0.01	True	0	False	0.048	True
this	0.01	True	0.01	True	0	False	0.046	True
throw	0.22	True	0.23	True	0	False	0.489	True
true	0.01	True	0.01	True	0	False	0.046	True
try	0.03	True	0.03	True	0	False	0.095	True
typedef	0.01	True	0.01	True	0	False	0.055	True
typeid	0.02	True	0.02	True	0	False	0.054	True
unsigned_var_decl	0.01	True	0.01	True	0	False	0.045	True
using	0.02	True	0.02	True	0	False	0.054	True
using_namespace	0.01	True	0.01	True	0	False	0.047	True
virtual_struct_member_decl	0.01	True	0.01	True	0	False	0.045	True
void_func_decl	0.01	True	0.01	True	0	False	0.048	True
volatile_var_decl	0.03	True	0.03	True	0	False	0.067	True

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
wchar_t_var_decl	0.01	True	0.01	True	0	False	0.047	True
while_loop	0.01	True	0.01	True	0	False	0.049	True
xor	0.01	True	0.01	True	0	False	0.048	True
xor_eq	0.02	True	0.02	True	0	False	0.053	True

1.2 Success and Fail Rate chart

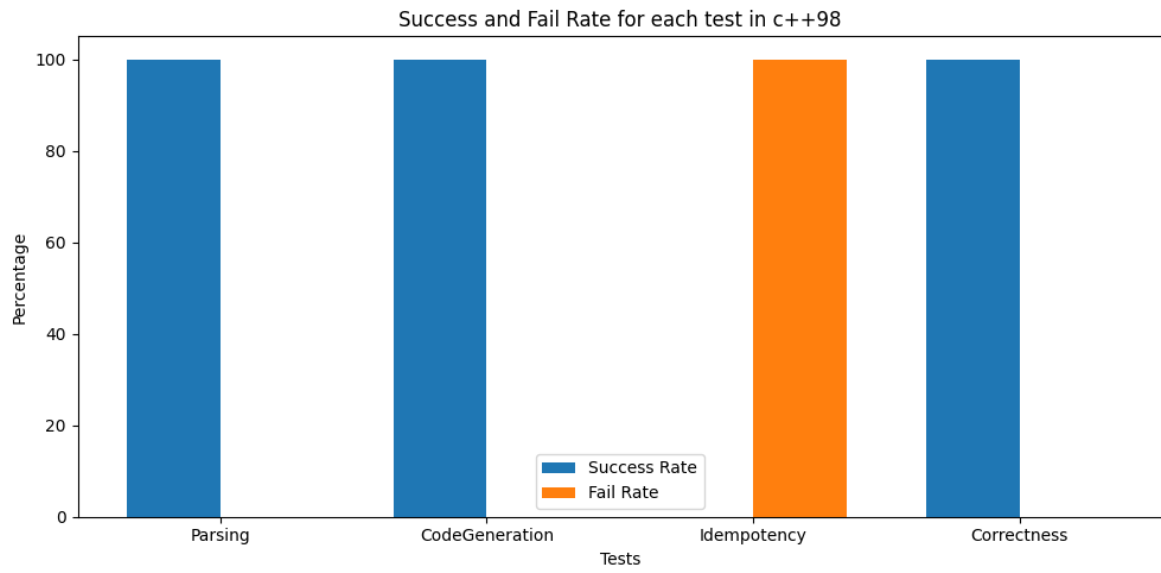


Figure 1: Success and Fail Rate for each test in c++98

2 c++11

2.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
ArrayInitIndexExpr	0.01	True	0.01	True	0	False	0.047	True
ArrayInitLoopExpr	0.01	True	0.01	True	0	False	0.045	True
AtomicExpr	0.02	True	0.02	True	0	False	0.049	True
CXXDefaultInitExpr	0.01	True	0.01	True	0	False	0.043	True
CXXDeleteExpr	0.01	True	0.01	True	0	False	0.052	True
CXXForRangeStmt	0.01	True	0.01	True	0	False	0.046	True
CXXInheritedCtorInitExpr	0.01	True	0.01	True	0	False	0.051	True
CXXNoexceptExpr	0.01	True	0.01	True	0	False	0.046	True
CXXNullPtrLiteralExpr	0.01	True	0.01	True	0	False	0.05	True
CXXStdInitializerListExpr	0.02	True	0.02	True	0	False	0.063	True
ConstantExpr	0.01	True	0.01	True	0	False	0.048	True
ConstructorUsingShadowDecl	0.01	True	0.01	True	0	False	0.045	True
LambdaExpr	0.01	True	0.02	True	0	False	0.047	True
PackExpansionExpr	0.01	True	0.01	True	0	False	0.045	True
TypeAliasDecl	0.01	True	0.02	True	0	False	0.045	True
TypeTraitExpr	0.03	True	0.03	True	0	False	0.091	True
UnresolvedLookupExpr	0.01	True	0.01	True	0	False	0.054	True
UnresolvedUsingTypenameDecl	0.01	True	0.01	True	0	False	0.044	True
UserDefinedLiteral	0.16	True	0.16	True	0	False	0.359	True
alignas	0.9	True	0.9	True	0	False	0.049	True
alignof	1.12	True	1.12	True	0	False	2.59	True
auto	0.01	True	0.01	True	0	False	0.056	True
char16_t	0.01	True	0.01	True	0	False	0.049	True
char32_t	0.01	True	0.01	True	0	False	0.048	True
class_enum_type	0.01	True	0.01	True	0	False	0.047	True
constexpr	0.01	True	0.01	True	0	False	0.046	True
decltype	0.02	True	0.02	True	0	False	0.045	True
default_externally_visible	0.01	True	0.01	True	0	False	0.05	True
delete_funcs	0.22	True	0.22	True	0	False	0.576	True
for_range	0.02	True	0.02	True	0	False	0.057	True
inline_namespace	0.01	True	0.01	True	0	False	0.041	True
mutable_lambda	N/A	False	N/A	N/A	0	N/A	N/A	N/A
noexcept	0.01	True	0.01	True	0	False	0.054	True
nullptr	0.01	True	0.01	True	0	False	0.049	True
reinterpret_cast	0.06	True	0.06	True	0	False	0.076	True
sizeof_ellipsis	N/A	False	N/A	N/A	0	N/A	N/A	N/A
static_assert	0.03	True	0.03	True	0	False	0.086	True
thread_local	0.38	True	0.38	True	0	False	0.975	True
using_alias	N/A	False	N/A	N/A	0	N/A	N/A	N/A

2.2 Success and Fail Rate chart

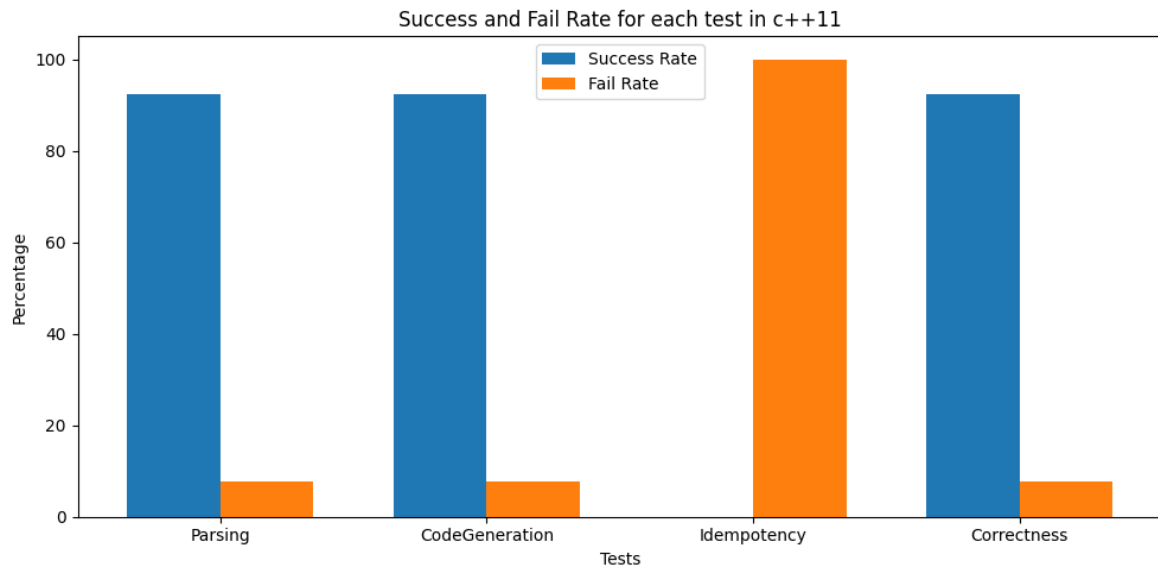


Figure 2: Success and Fail Rate for each test in c++11

3 c++14

3.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
VarTemplateDecl	0.01	True	0.01	True	0	False	0.045	True
VarTemplatePartialSpecializationDecl	0.01	True	0.01	True	0	False	0.048	True
VarTemplateSpecializationDecl	0.01	True	0.01	True	0	False	0.046	True

3.2 Success and Fail Rate chart

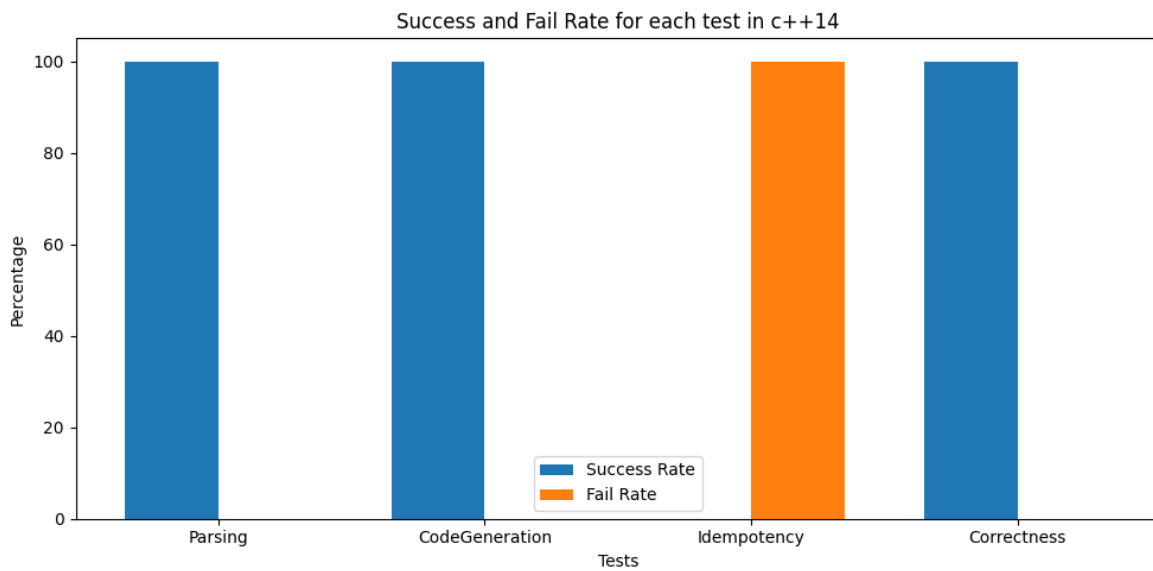


Figure 3: Success and Fail Rate for each test in c++14

4 c++17

4.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
BindingDecl	0.01	True	0.01	True	0	False	0.045	True
CXXDeductionGuideDecl	N/A	False	N/A	N/A	0	N/A	N/A	N/A
DecompositionDecl	0.01	True	0.01	True	0	False	0.049	True
UsingPackDecl	0.01	True	0.01	True	0	False	0.048	True
auto_structured_binding	0.01	True	0.01	True	0	False	0.046	True
inline_specifier	0.01	True	0.01	True	0	False	0.066	True

4.2 Success and Fail Rate chart

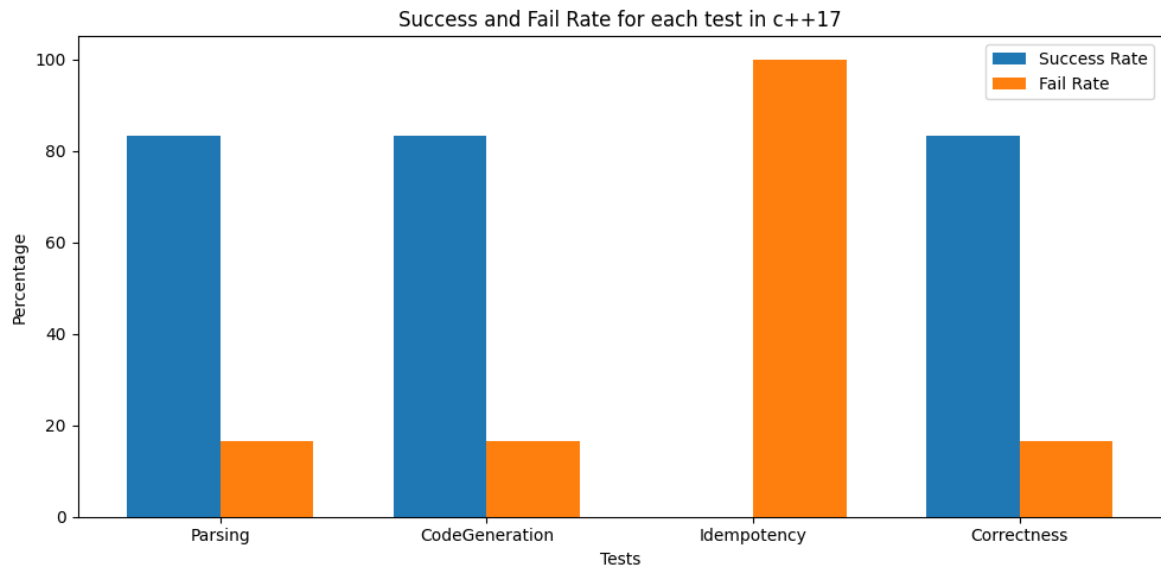


Figure 4: Success and Fail Rate for each test in c++17

5 c++20

5.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
CXXRewrittenBinaryOperator	0.01	True	0.01	True	0	False	0.046	True
CoawaitExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
ConceptDecl	N/A	False	N/A	N/A	0	N/A	N/A	N/A
ConceptSpecializationExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
CoroutineBodyStmt	N/A	False	N/A	N/A	0	N/A	N/A	N/A
CoroutineSuspendExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
CoyieldExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
DependentCoawaitExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
RequiresExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
UsingEnumDecl	N/A	False	N/A	N/A	0	N/A	N/A	N/A
auto_abbrev_func_temp	N/A	False	N/A	N/A	0	N/A	N/A	N/A
char8_t	N/A	False	N/A	N/A	0	N/A	N/A	N/A
co_await_NF	N/A	False	N/A	N/A	0	N/A	N/A	N/A
co_return_NF	N/A	False	N/A	N/A	0	N/A	N/A	N/A
co_yield	N/A	False	N/A	N/A	0	N/A	N/A	N/A
concept	N/A	False	N/A	N/A	0	N/A	N/A	N/A
consteval	N/A	False	N/A	N/A	0	N/A	N/A	N/A
constinit	N/A	False	N/A	N/A	0	N/A	N/A	N/A
export	N/A	False	N/A	N/A	0	N/A	N/A	N/A
private_module	N/A	False	N/A	N/A	0	N/A	N/A	N/A
requires	N/A	False	N/A	N/A	0	N/A	N/A	N/A
using_enum	N/A	False	N/A	N/A	0	N/A	N/A	N/A

5.2 Success and Fail Rate chart

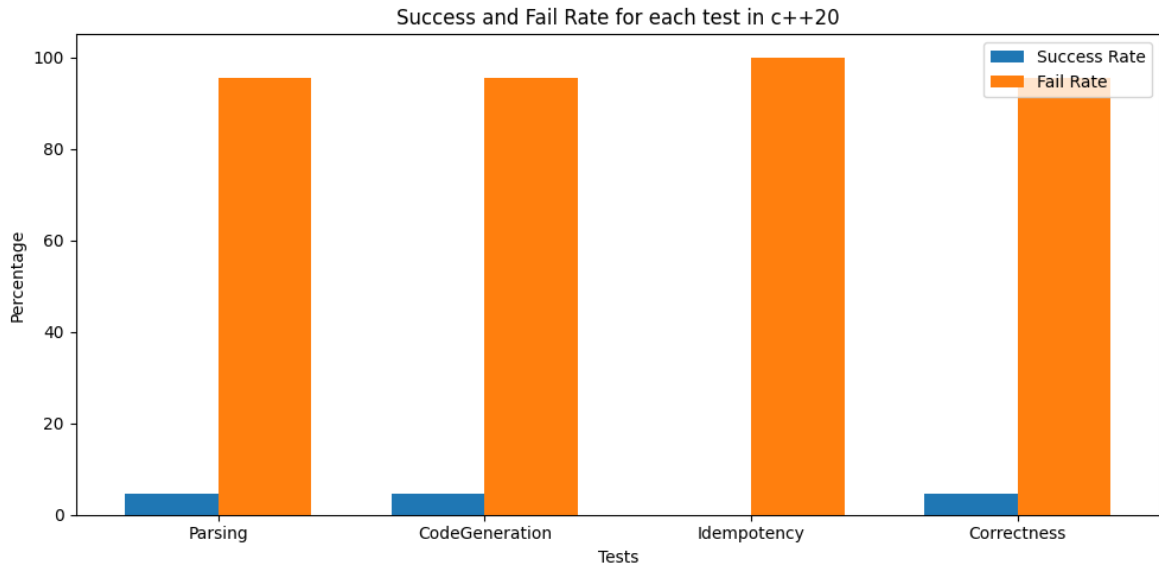


Figure 5: Success and Fail Rate for each test in c++20

6 c89

6.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
AddrLabelExpr	0.01	True	0.01	True	0	False	0.045	True
ArrayInitIndexExpr	0.01	True	0.01	True	0	False	0.043	True
ArraySubscriptExpr	N/A	False	N/A	N/A	0	N/A	N/A	N/A
BinaryConditionalOperator	0.01	True	0.01	True	0	False	0.044	True
BinaryOperator	0.01	True	0.01	True	0	False	0.042	True
CStyleCastExpr	0.01	True	0.01	True	0	False	0.049	True
CallExpr	0.01	True	0.01	True	0	False	0.041	True
CharacterLiteral	0.01	True	0.01	True	0	False	0.044	True
CompoundAssignOperator	0.01	True	0.01	True	0	False	0.05	True
CompoundLiteralExpr	0.01	True	0.01	True	0	False	0.044	True
ConditionalOperator	0.01	True	0.01	True	0	False	0.044	True
DeclRefExpr	0.01	True	0.01	True	0	False	0.044	True
EnumConstantDecl	0.01	True	0.01	True	0	False	0.042	True
ExtVectorElementExpr	0.01	True	0.01	True	0	False	0.043	True
FloatingLiteral	0.01	True	0.01	True	0	False	0.043	True
ImaginaryLiteral	N/A	False	N/A	N/A	0	N/A	N/A	N/A
ImplicitValueInitExpr	0.01	True	0.01	True	0	False	0.044	True
IndirectFieldDecl	0.01	True	0.01	True	0	False	0.049	True
IndirectGotoStmt	0.01	True	0.01	True	0	False	0.045	True
InitListExpr	0.01	True	0.01	True	0	False	0.043	True
IntegerLiteral	0.02	True	0.02	True	0	False	0.046	True
MatrixSubscriptExpr	0.01	True	0.01	True	0	False	0.043	True
MemberExpr	0.01	True	0.01	True	0	False	0.045	True
NoInitExpr	0.01	True	0.01	True	0	False	0.05	True
ParenExpr	0.01	True	0.01	True	0	False	0.048	True
StringLiteral	0.01	True	0.01	True	0	False	0.044	True
UnaryExprOrTypeTraitExpr	0.01	True	0.01	True	0	False	0.043	True
UnaryOperator	0.01	True	0.01	True	0	False	0.042	True
asm_func_decl	0.01	True	0.01	True	0	False	0.043	True
auto_var_decl	0.01	True	0.01	True	0	False	0.045	True
char_var_decl	0.01	True	0.01	True	0	False	0.043	True
const_var_decl	0.01	True	0.01	True	0	False	0.043	True
do_while	0.01	True	0.01	True	0	False	0.044	True
double_var_decl	0.01	True	0.01	True	0	False	0.045	True
enum_decl	0.01	True	0.01	True	0	False	0.043	True
extern_var_decl	0.01	True	0.01	True	0	False	0.045	True
float_var_decl	0.01	True	0.01	True	0	False	0.044	True
for_loop	0.01	True	0.01	True	0	False	0.046	True
for_loop_break	0.01	True	0.01	True	0	False	0.042	True
for_loop_continue	0.01	True	0.01	True	0	False	0.043	True
goto	N/A	False	N/A	N/A	0	N/A	N/A	N/A

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
if	0.01	True	0.01	True	0	False	0.042	True
if_else	0.01	True	0.01	True	0	False	0.043	True
int_var_decl	0.01	True	0.01	True	0	False	0.044	True
long_var_decl	0.01	True	0.01	True	0	False	0.045	True
named_union_decl	0.01	True	0.01	True	0	False	0.045	True
prep_define	0.01	True	0.01	True	0	False	0.043	True
prep_defined	0.01	True	0.01	True	0	False	0.045	True
prep_elif	0.01	True	0.01	True	0	False	0.057	True
prep_else	0.01	True	0.01	True	0	False	0.047	True
prep_endif	0.02	True	0.02	True	0	False	0.043	True
prep_error	0.01	True	0.01	True	0	False	0.047	True
prep_if	0.01	True	0.01	True	0	False	0.042	True
prep_ifdef	0.01	True	0.01	True	0	False	0.042	True
prep_ifndef	0.01	True	0.01	True	0	False	0.042	True
prep_include	0.03	True	0.03	True	0	False	0.06	True
prep_line	0.01	True	0.01	True	0	False	0.052	True
prep_pragma	0.01	True	0.01	True	0	False	0.042	True
prep_undef	0.01	True	0.01	True	0	False	0.045	True
register_var_decl	0.02	True	0.02	True	0	False	0.049	True
return_stmt	0.01	True	0.01	True	0	False	0.042	True
short_var_decl	0.01	True	0.01	True	0	False	0.043	True
signed_var_decl	0.01	True	0.01	True	0	False	0.047	True
sizeof	0.02	True	0.02	True	0	False	0.051	True
static_var_decl	0.01	True	0.01	True	0	False	0.045	True
struct_decl	0.01	True	0.01	True	0	False	0.045	True
switch_case	0.01	True	0.01	True	0	False	0.042	True
switch_default	0.01	True	0.01	True	0	False	0.043	True
typedef_decl	0.01	True	0.01	True	0	False	0.041	True
unnamed_union_decl	N/A	False	N/A	N/A	0	N/A	N/A	N/A
unsigned_var_decl	0.01	True	0.01	True	0	False	0.044	True
void_func_decl	0.01	True	0.01	True	0	False	0.041	True
volatile_var_decl	0.01	True	0.01	True	0	False	0.045	True
while_stmt	0.01	True	0.01	True	0	False	0.043	True

6.2 Success and Fail Rate chart

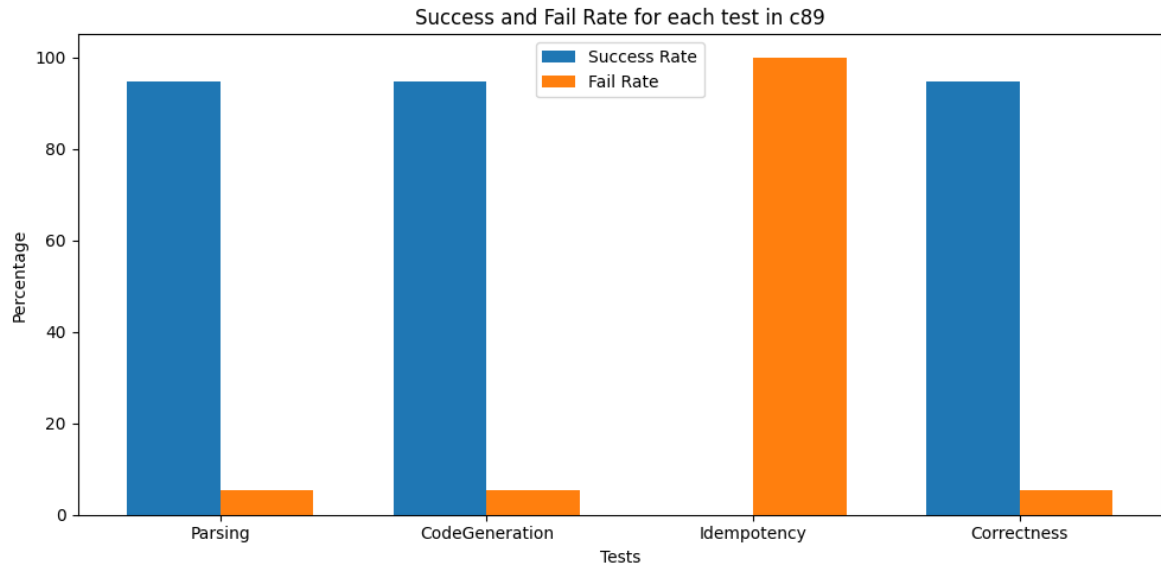


Figure 6: Success and Fail Rate for each test in c89

7 c99

7.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
<code>_Bool_var_decl</code>	N/A	False	N/A	N/A	0	N/A	N/A	N/A
<code>_Complex_var_decl</code>	0.31	True	0.31	True	0	False	1.169	True
<code>_Imaginary</code>	N/A	False	N/A	N/A	0	N/A	N/A	N/A
<code>_Pragma</code>	0.01	True	0.01	True	0	False	0.045	True
<code>inline_func_decl</code>	0.02	True	0.02	True	0	False	0.044	True
<code>restrict</code>	N/A	False	N/A	N/A	0	N/A	N/A	N/A

7.2 Success and Fail Rate chart

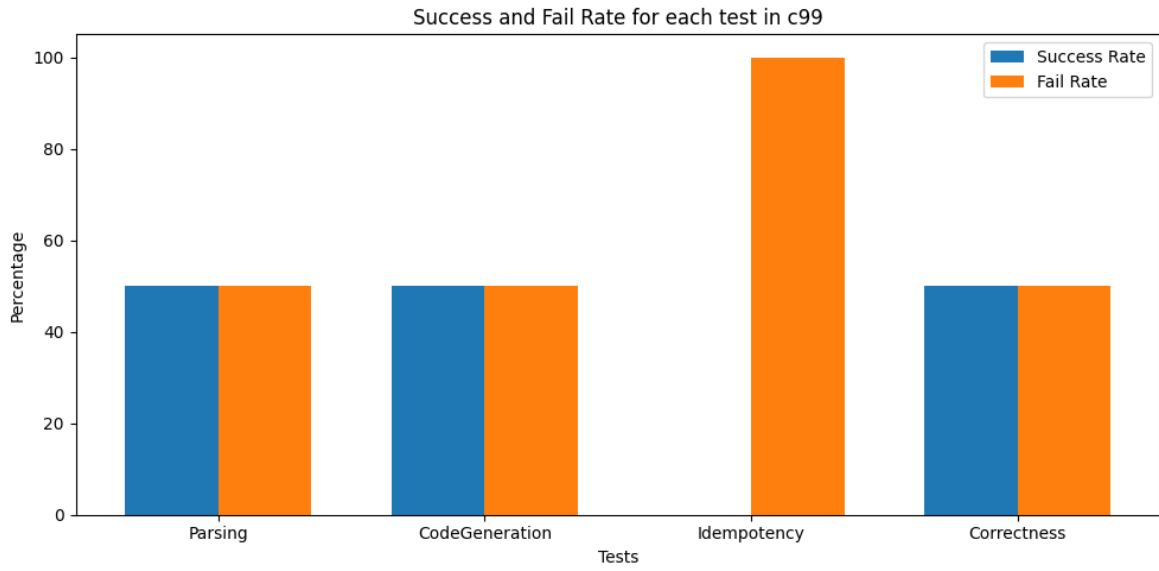


Figure 7: Success and Fail Rate for each test in c99

8 c11

8.1 Tests table

	Parsing		CodeGeneration		Idempotency		Correctness	
	Time	Success	Time	Success	Tries	Success	Time	Success
GenericSelectionExpr	0.01	True	0.01	True	0	False	0.042	True
_Alignas	0.01	True	0.01	True	0	False	0.046	True
_Alignof	0.03	True	0.03	True	0	False	0.051	True
_Atomic	0.01	True	0.01	True	0	False	0.042	True
_Generic	0.01	True	0.02	True	0	False	0.044	True
_Noreturn	0.06	True	0.06	True	0	False	0.067	True
_Static_assert	0.01	True	0.01	True	0	False	0.048	True
_Thread_local	0.08	True	0.09	True	0	False	0.072	True

8.2 Success and Fail Rate chart

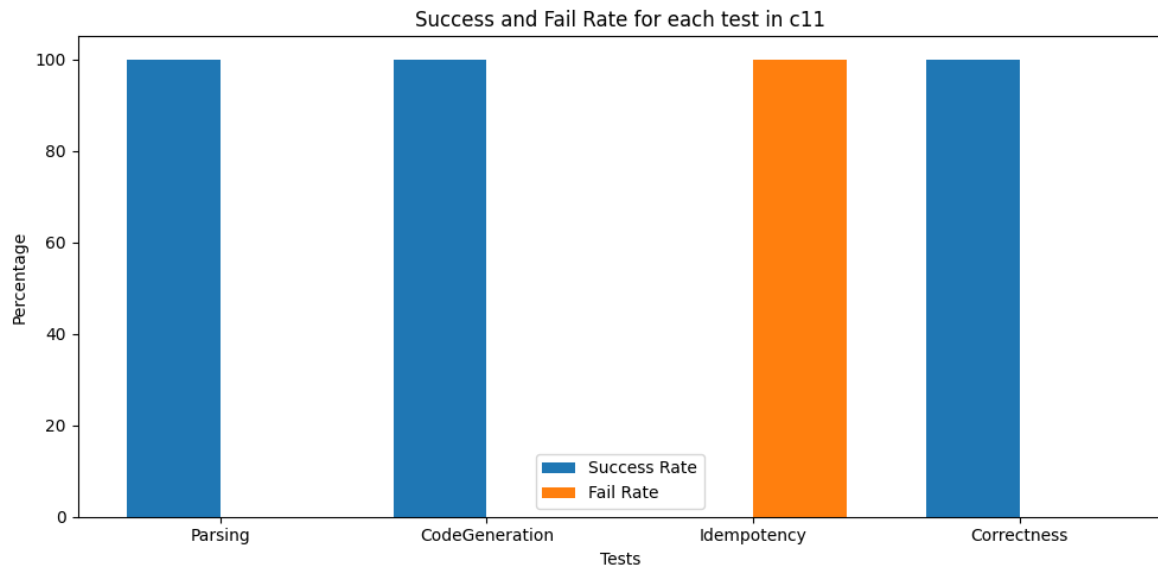


Figure 8: Success and Fail Rate for each test in c11

9 Statistics

9.1 Tables

- PT: Denotes the number of passed tests / test phases
- RelP: Denotes the percentage of passed tests / test phases. Phases that were not run are disregarded.
- AbsP: Denotes the absolute percentage of passed tests / test phases. Phases that were not run are counted as failures.

Standard	Parsing		Code Gen		Idempotency		Correctness		All	
	PT	Rel%	PT	Rel%	PT	Rel%	PT	Rel%	PT	Rel%
c++98	123	100.00	123	100.00	0	0.00	123	100.00	369	75.00
c++11	36	92.31	36	92.31	0	0.00	36	92.31	108	73.47
c++14	3	100.00	3	100.00	0	0.00	3	100.00	9	75.00
c++17	5	83.33	5	83.33	0	0.00	5	83.33	15	71.43
c++20	1	4.55	1	4.55	0	0.00	1	4.55	3	12.00
c89	70	94.59	70	94.59	0	0.00	70	94.59	210	73.94
c99	3	50.00	3	50.00	0	0.00	3	50.00	9	60.00
c11	8	100.00	8	100.00	0	0.00	8	100.00	24	75.00

Table 1: Relative percentage of tests passed

Standard	Parsing		Code Gen		Idempotency		Correctness		All	
	PT	Abs%	PT	Abs%	PT	Abs%	PT	Abs%	PT	Abs%
c++98	123	100.00	123	100.00	0	0.00	123	100.00	369	75.00
c++11	36	92.31	36	92.31	0	0.00	36	92.31	108	69.23
c++14	3	100.00	3	100.00	0	0.00	3	100.00	9	75.00
c++17	5	83.33	5	83.33	0	0.00	5	83.33	15	62.50
c++20	1	4.55	1	4.55	0	0.00	1	4.55	3	3.41
c89	70	94.59	70	94.59	0	0.00	70	94.59	210	70.95
c99	3	50.00	3	50.00	0	0.00	3	50.00	9	37.50
c11	8	100.00	8	100.00	0	0.00	8	100.00	24	75.00

Table 2: Absolute percentage of tests passed.

9.2 Relative Percentage of tests passed chart

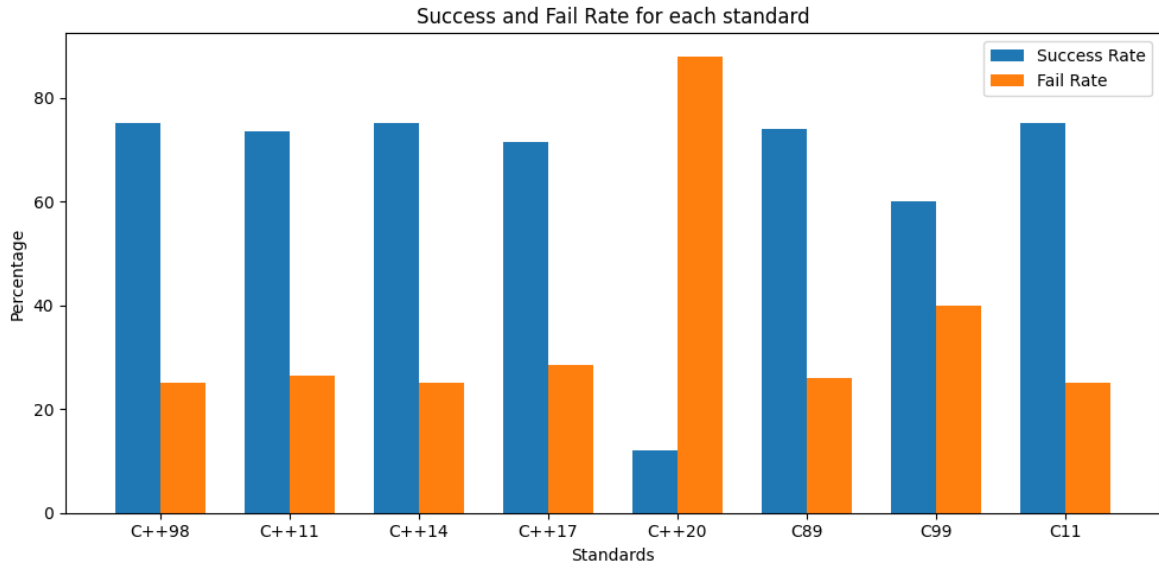


Figure 9: Success and Fail Rate for each standard

9.3 Absolute Percentage of tests passed chart

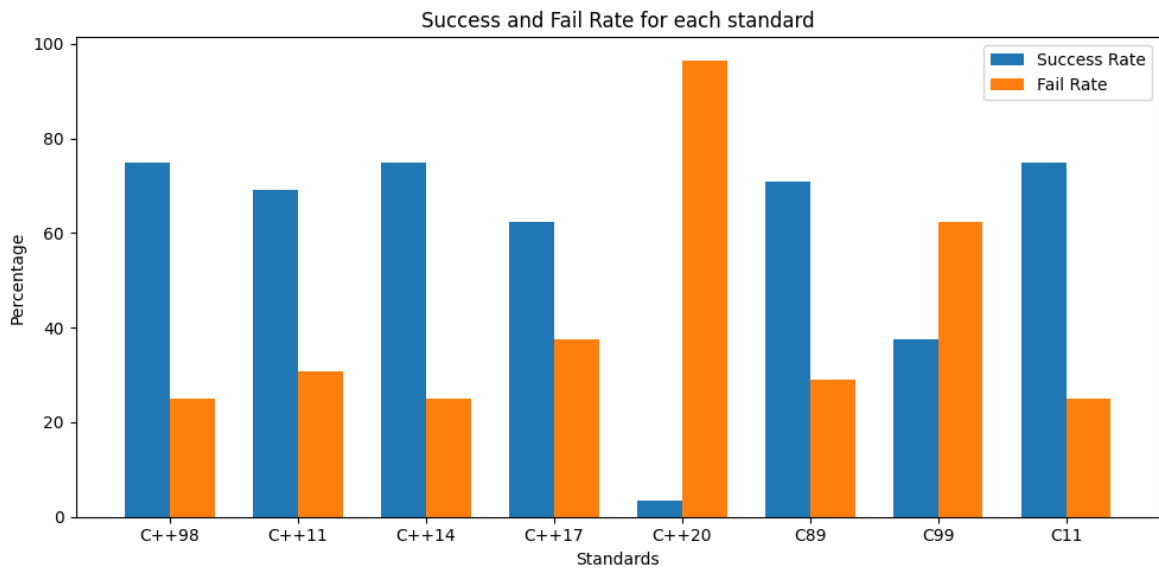


Figure 10: Success and Fail Rate for each standard