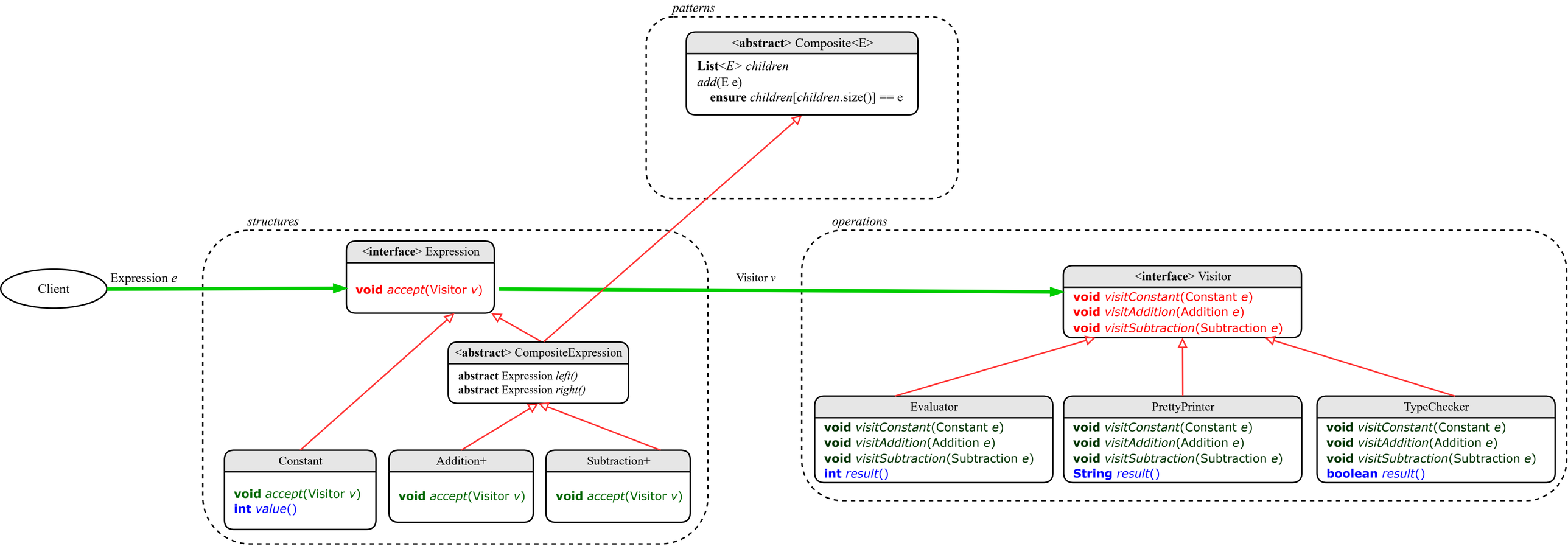
patterns
<abstract> Composite<E>
List<E> children
add(E e)
ensure children[children.size()] == e
structures
operations
Client
Expression e
<interface> Expression
void accept(Visitor v)
Visitor v
<interface> Visitor
void visitConstant(Constant e)
void visitAddition(Addition e)
void visitSubtraction(Subtraction e)
<abstract> CompositeExpression
abstract Expression left()
abstract Expression right()
Constant
void accept(Visitor v)
int value()
Addition+
void accept(Visitor v)
Subtraction+
void accept(Visitor v)
Evaluator
void visitConstant(Constant e)
void visitAddition(Addition e)
void visitSubtraction(Subtraction e)
int result()
PrettyPrinter
void visitConstant(Constant e)
void visitAddition(Addition e)
void visitSubtraction(Subtraction e)
String result()
TypeChecker
void visitConstant(Constant e)
void visitAddition(Addition e)
void visitSubtraction(Subtraction e)
boolean result()