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Code coverage analysis:

Method Name	Code coverage	Proposed test(s) to include
Mult::has_variable()	0%	Test for the Mult has variable function e.g CHECK(((New Mult(new VarExpr("x"),new VarExpr("y"))).has_variable() ==true)
Expr* Mult::subst(const string& targetVarName, Expr* replacementVar)	0%	Add test for the Mult subst method e.g CHECK((new NumExpr(22))->subst("y", new MultExpr(new VarExpr("y"),new NumExpr(7)))->equals(new NumExpr(22)));
AddExpr::equals(Expr* e)	75%	if(addExpr == NULL){ //wont be an instance of expression, the object type AddExpr* isnt of type Expr return false; This part should be test if the parameter can't be cast to an AddExpr

Thoughts / suggestions to improve the code or the tests:

Change NULL to nullptr

Add rows when necessary.