command ::= checkSat(formula) | checkEnt(formula, formula)

formula ::= pure\_formula && spatial\_formula | formula || formula | pure\_formula && formula

pure\_formula ::= z3\_ctx.bool\_val(true)

| z3\_ctx.bool\_val(false)

| term == term

| term != term

| term > term

| term >= term

| term < term

| term <= term

| pure\_formula && pure\_formula

term ::= integer

| z3\_ctx.int\_const("variable\_name");

| term + term

| term - term

spatial\_formula ::= newEmp(z3\_ctx)

| newPto(term, term)

| newBlk(term, term)

| newHls(term, term, term)

| newSep(spatialFormulaSet)

| sep(spatial\_formula, spatial\_formula)