Install z3 using: sudo apt install z3

You can also download and use a stable release form https://github.com/Z3Prover/z3/releases

Download add.z3 run "z3 add.z3"

If everything is fine, you will get the following output: unsat (error "line 59 column 10: model is not available")

Now, your job is to rewrite this program by changing the types of variables of type (_ BitVec 1) to Bool. You are not allowed to add additional variables. bvxor, bvand, and bvor must be replaced with xor, and, and or. The objective of your modified program must be the same as the original program. The output must be unsat.

You can find an online z3 tutorial here: https://microsoft.github.io/z3guide/docs/theories/Bitvectors/