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CS421 HW05
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Problem 1.
  type bool_exp =
    | Variable of string
    Constant of bool
    | Negation of bool_exp
    | Conjunction of bool_exp * bool_exp
   | Disjunction of bool_exp * bool_exp
;;
So, for example, (a \land b) \lor \neg T is
let e = Disjunction(Conjunction(Var("a"), Var("b")), Negation(Constant(true)))
let rec bool_exp_eval e env =
 match e with
 | Variable x -> List.assoc x env
  Constant c -> c
  Negation a -> not(bool_exp_eval a env)
  Conjunction(a, b) -> (bool_exp_eval a env) && (bool_exp_eval b env)
 | Disjunction(a, b) -> (bool_exp_eval a env) || (bool_exp_eval b env)
 ;;
```