

```
int ITEc (F,G,H) {  
    if (TerminalCase(F,G,H) return TerminalCaseResult(F,G,H);  
    BDD_var x = TopVar(F,G,H);  
    int highc = ITEc(Fx,Gx,Hx);  
    if (highc == 0) return 0;  
    int lowc = ITEc(Fx',Gx',Hx');  
    if (lowc == 0) return 0;  
    BDD high = ITE(Fx,Gx,Hx);  
    BDD low = ITE(Fx',Gx',Hx');  
    if (high == low) return 1;  
    return 0;  
}
```

```

BDD quantify (BDD F, set<BDDVar> V, type AE) {
  if (v ==  $\emptyset$ ) return F;
  if (F == 0 || F == 1) return 1;
  if (ComputedTable.hasEntry(F)) return ComputedTable.Entry(F);
  BDDvar x = TopVar(F);
  BDD result;
  if (x  $\notin$  V) {
    BDD H = quantify (Fx, V, AE);
    BDD L = quantify (Fx', V, AE);
    if (L == H) result = L;
    else result = UniqueTable.AddOrFind(x, L, H);
  } else {
    BDD H = quantify (Fx, V \ x, AE);
    BDD L = quantify (Fx', V \ x, AE);
    if (AE = „A“) result = ITE(L, H, 0);
    else result = ITE(L, 1, H);
  }
  ComputedTable.Insert(F, result)
  return result;
}

```