





```
03)
 0 = G16161G
 G = 71 V72 V - X4
  G = 72 V 7 X3
  Cz = 92 V 23 V7 X4
  Cy = 2, V X3
  Equivalent integer linear program
                                       di vsed here, Fi E
   G: X1+ X2 + 1-X4 Z Z1
   G: x_2 + 1 - x_3 \geq T_2

G: x_2 + x_3 + 1 - x_4 \geq T_3

only integer values:

\geq T_4
    $: (X1+X2-X4+1) * (X2+X3-X4+1) * (X4+X8) Z
                                                   I1. I2 - I3. Zy
 Kelaxed linear program.
                                    =>Pr(G)=1-(H)(H)(H)(1)
  G: U_1 + U_2 + 1 - U_4 \ge V_1

G: U_2 + 1 - U_3 \ge V_2

G: U_2 + U_3 + 1 - U_4 \ge V_3
                                    =)P(i) = 1-(-M2). (-M4)
                                    = R ((2) = 1 - (1-llz)(1-llg)(lly)
  Cy: U1 + U2 = 18(Cy) = 1-(1-4)(1-ll3)
                                  Pr(() is satisfied.
            M; E [0,1]
                                    E Mo = upper bound on the
             Not just integer valles
                                          no of clauses to be satisfied
```