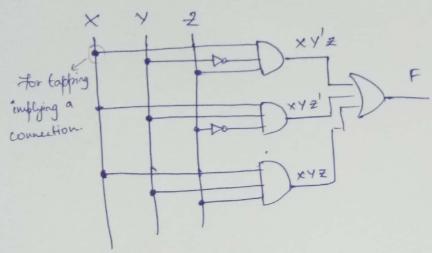
LOGIC MINIMIZATION

$$F(x,y,z) = xy'z + xyz' + xyz.$$



$$F = x y' z + x y z + x y z'$$

$$= x z (y + y') + x y z'$$

$$= x z + x y z'$$

$$= x (z + y z')$$

$$= x (z + y z')$$

$$F = xy'2 + xy2' + xy2' = xy'2 + xy2' + xy2' + xy2' + xy2'$$

$$= x2(y+y') + xy2' = x2(y+y') + xy(2+2')$$

$$= x2 + xy2' = x2 + xy$$

$$= x(2+y2')$$

$$m_0 - x'y'3'$$
 $m_1 - x'y'3'$
 $m_2 - x'y3'$
 $m_3 - x'y3'$
 $m_4 - xy3'$
 $m_5 - xy'3'$
 $m_6 - xy3'$
 $m_7 - xy3'$

FOR two variables.

$$F(x,y) . \rightarrow x'y' x'y xy' xy.$$

$$x'y' x'y x'y$$

$$x'y' x'y$$

$$x'y' x'y$$

$$x'y' x'y$$

$$x'y' x'y$$

$$x'y' x'y$$

$$x'y' x'y$$

