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F = AB + AB , F is f(A,B,C)
D Express it in SOP/ commical farm.
                         & sum of product
           = AB, + AB. | = AB (C+E) + AB (C+E)
                         F = \( (0,1,2,3)
                                         x.f(n,y,?)
  F = 14+ 1 2 F = 14+ 12+ 12 A+ B( = (A+B) (A+c)
  = (n + \overline{n}) (y + \overline{n}) (n + \overline{\epsilon}) (y + \overline{\epsilon})
     = (x+y+ 7.7) (x+2+y.y) (y+2+x.x)
     = (\bar{\pi} + \bar{\pi}) (\bar{\pi} + \bar{\pi} + \bar{\pi}) (\bar{\pi} + \bar{\pi} + \bar{\pi})

(\bar{\pi} + \bar{\pi} + \bar{\pi}) (\bar{\pi} + \bar{\pi} + \bar{\pi})

(\bar{\pi} + \bar{\pi} + \bar{\pi})
      = (x+y+z) (x+y+z) (x+y+z) (x+y+z)
     = TT(0,2,4,5)
 \overline{F} im sof, \overline{F} = \overline{Z}(0,2,4,5)
 fin sof, f = Z (1,3,6,7)
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Kannaugh Map (K-Map) דער דער  $F = \chi \overline{y} + \chi \overline{y} + \overline{\chi} \overline{y}$   $= \chi (\overline{y} + \overline{\chi}) + \overline{\chi} \overline{y} = \chi + \overline{\chi} \overline{y} = (\chi + \overline{\chi}) \cdot (\chi + \overline{y})$ 

