1/2 X3X4X5 X6 Output 1 -1 5 9 5 $X_0 =) f = \sum m(5)$ 3 mintoms = 5,5,50 9 19 maxterms -9 -5 -1+50) Sy+5,+50 -5,550+525,50 maxterns

 $X_3 =)$ S = 5 m (1,2,8)minterms = $\overline{S}_2 S_1 S_0 + S_2 S_1 S_0 + S_2 S_1 S_0$ f = TIM(0,3,4,6,7)maxterms = $(\overline{S}_2 + \overline{S}_1 + \overline{S}_0)(S_2 + \overline{S}_1 + \overline{S}_2)$ (52+5,+50)(52+5,+50) f = TM(2,5,6)maxterms = (52+51+50)(52+5,+50)5,+5,+50) X5=> 3= 2m(f = TM = 1 X6=> Same outputs as X0