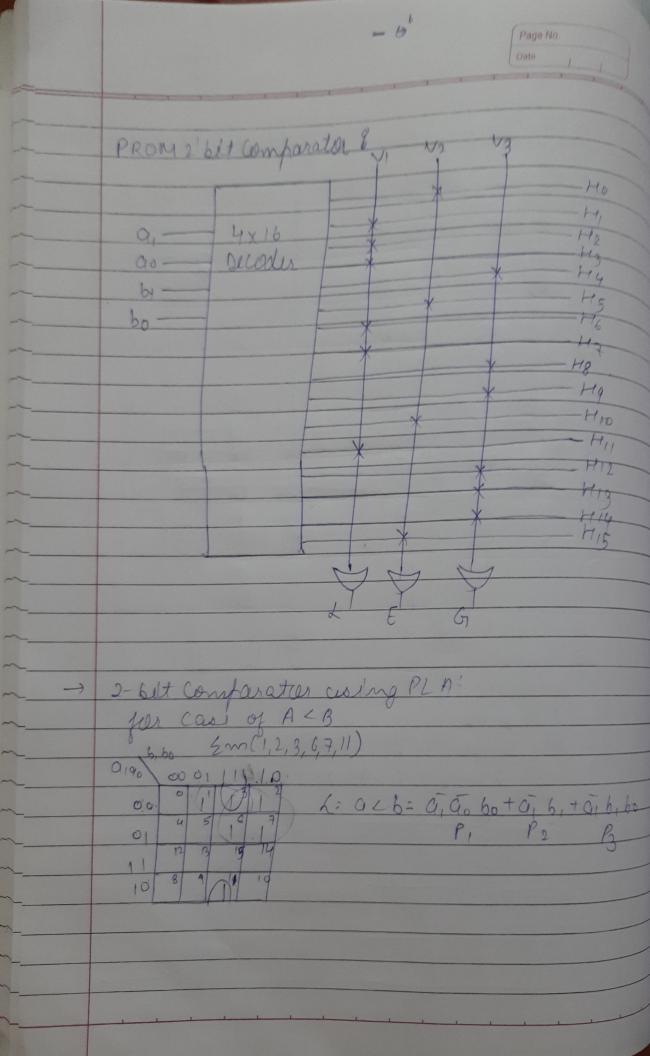
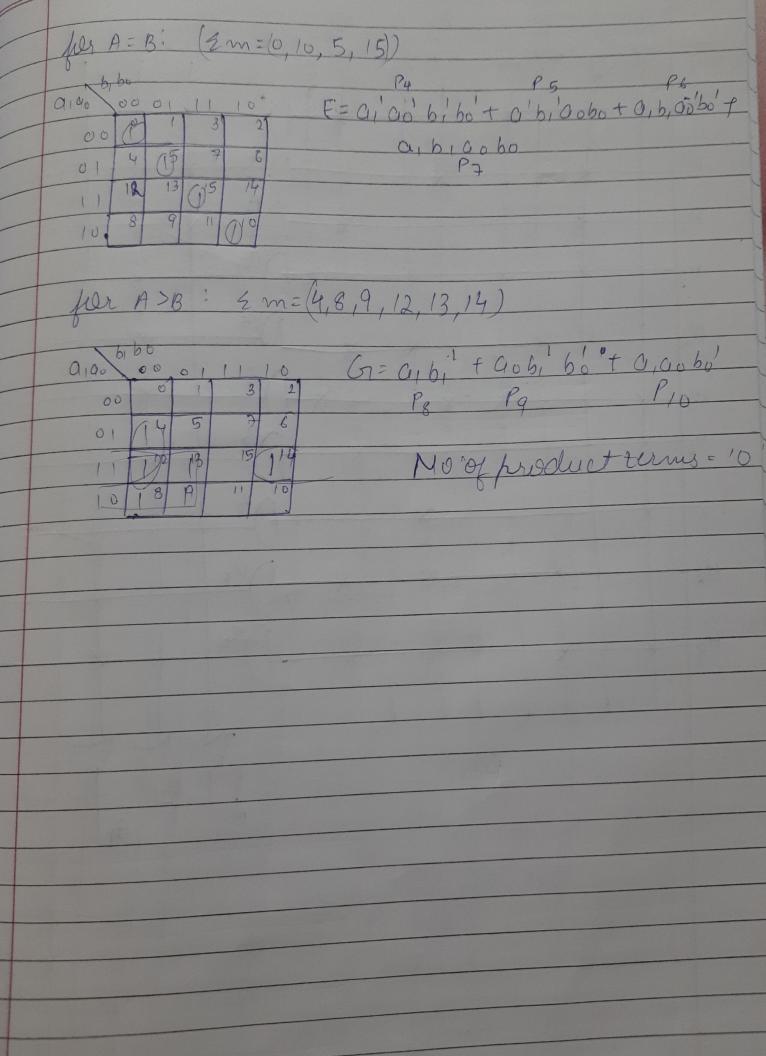
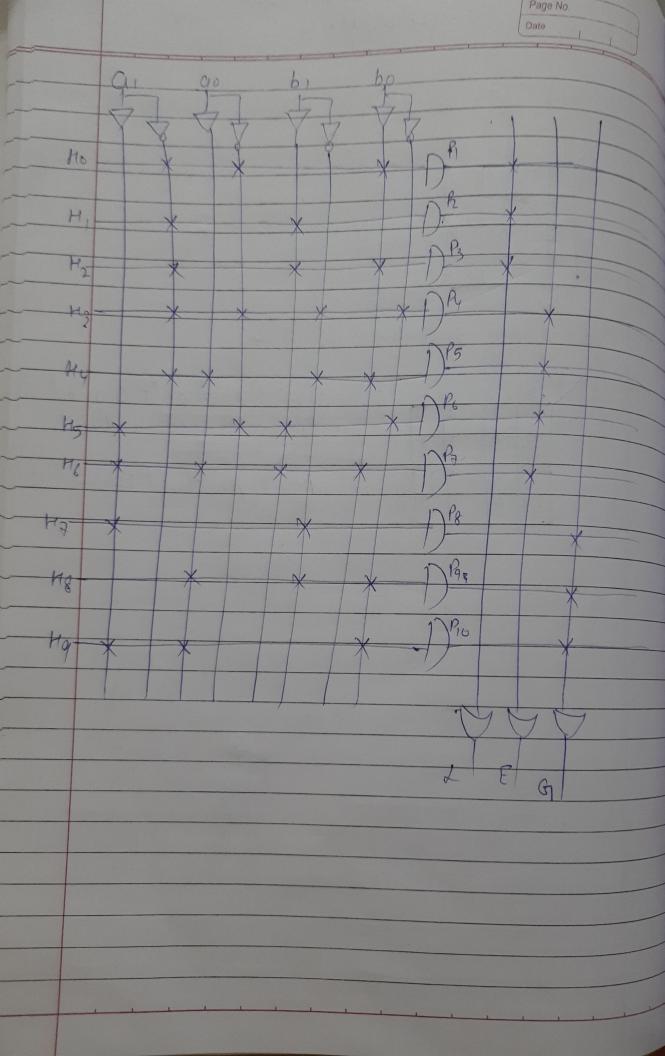


Page No. 2-bit Comparatur using PROM M a, a o b, bo 00 0 0 0 1 1 1000 9 10 13 15 L= 4 m (1, 2, 3, 6, 7, 11) E= 2m (0,5,10,15) Cr = 4 m (4, 8, 9, 12, 13, 14)







2 bit comparates using PAL' mi=3, 2= ajao' bo + ai' bi + a' b, bo Pi P2 P3 'N'= 3 no of product terms for each function a array = max (n, n2, n32 = max (3, 4, 3) = 4 Total Product terms = M(no of function) × max(n1, n2, n3) = 3 × 4 = 12 Hy