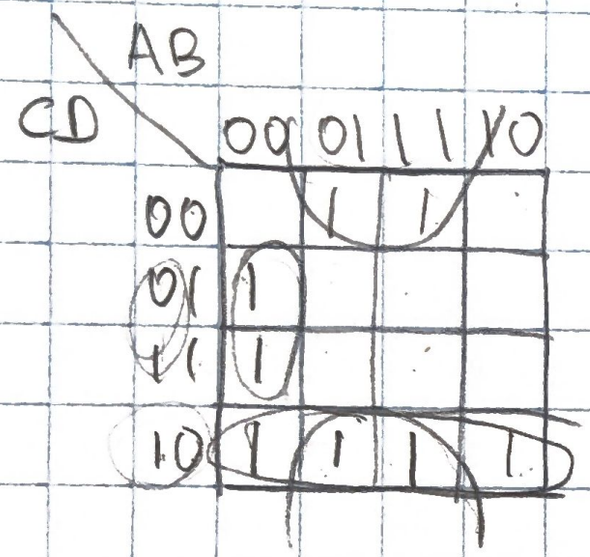
$10011110 = 01100001 = -(1+32+64) = -97$

$11100110 = 00011001 = -25$



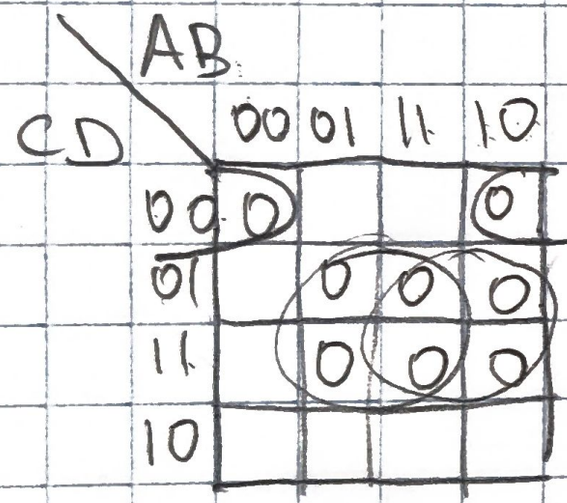
0	4	12	8
1	5	13	9
3	7	15	11
2	6	14	10

SOP ⊕ $[2,6,14,10] = C\overline{D}$

② $[1,3] = \overline{A}\,\overline{B}\,D$

③ $[6,14,4,12] = B\overline{D}$

$Sop = C\overline{D} + \overline{A}\,\overline{B}D + B\overline{D}$



① $\overline{B} + \overline{D}$

② $\overline{A} + \overline{D}$

③ $B + C + D$

$POS = (\overline{B} + \overline{D}) \cdot (\overline{A} + \overline{D}) \cdot (B + C + D)$