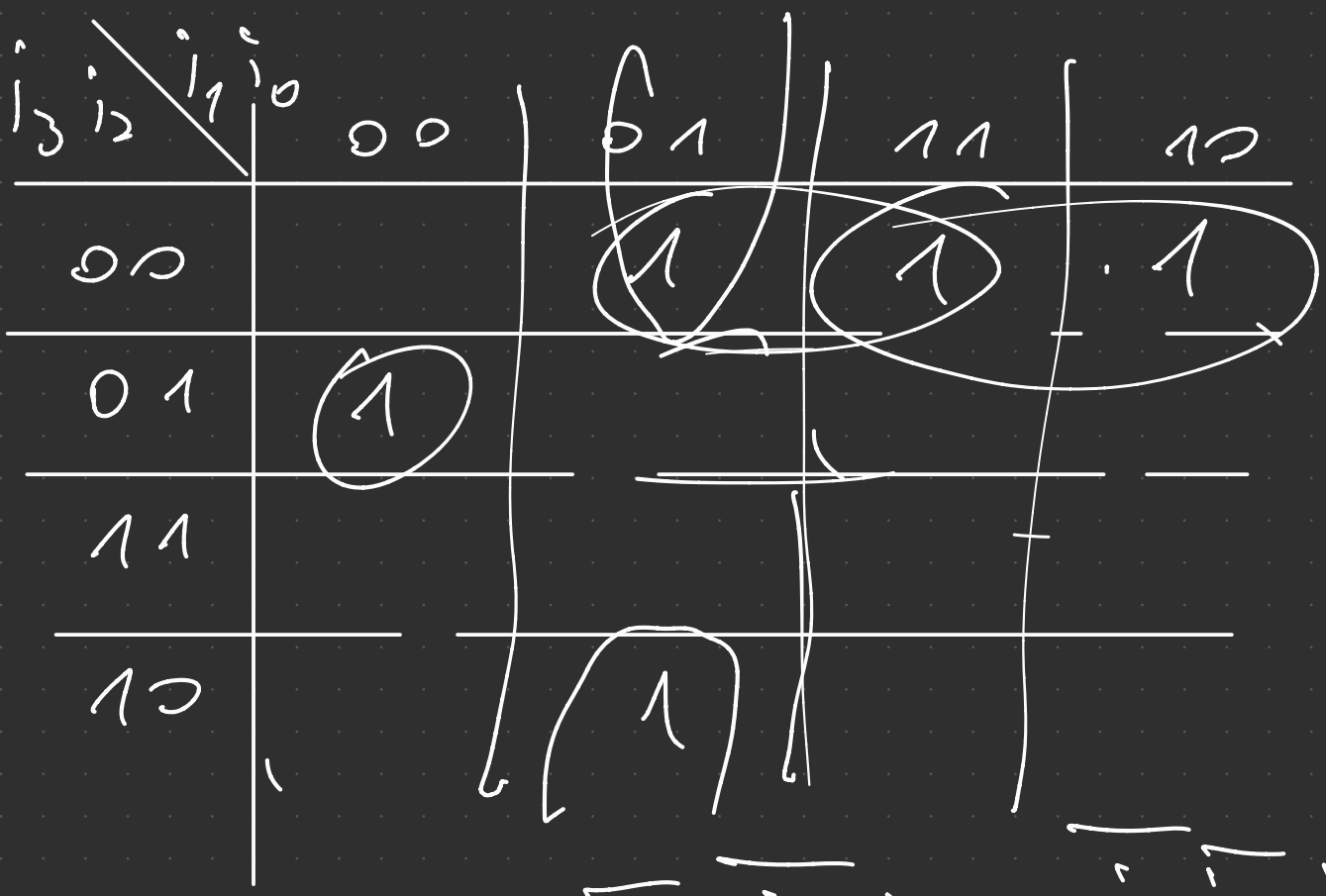
$$O_3 = \overline{i_3}\,\overline{i_2}\,\overline{i_1} + \overline{i_3}\,i_2\,i_0 + \overline{i_3}\,i_2\,i_1$$

O_2



$$O_2 = \overline{i_3}\, i_2\, \overline{i_1}\, \overline{i_0} + \overline{i_2}\, i_1\, i_0 + \overline{i_3}\, \overline{i_2}\, i_1$$

$$O_1 = \overline{i_2}\, \overline{i_1}\, i_0 + \overline{i_3}\, \overline{i_1}\, i_0 + \overline{i_3}\, i_1\, \overline{i_0}$$

$$O_0 = i_0\, \overline{i_3} + i_0\, \overline{i_1}\, \overline{i_2}$$

i -> 6 bit: is 6

$2^6 = 64$ -> i / 10 = 6

---

i 3 bit: 0 -> 7

$i = 4k - 1$ $k = 1; 2$

$i = 3, 7$

011 111

---

6 bit: is 6

60 ... 63 -> 1

0 ... 59 -> 0

60	2	0
30		0
15		1
7		1
3		1
1		1

111100

32 + 16 + 8 + 4