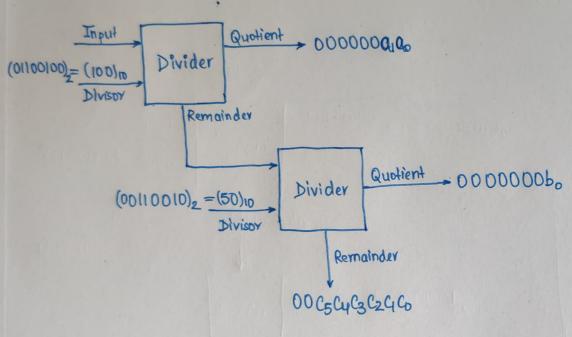
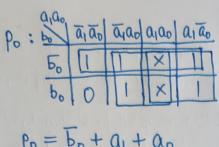
- The order to get the no. of 100 notes, we can use the divider circuit with dividend as the user input and divisor as the binary representation of (100) = (01100100)2 [8-bit]
- The quotient will be of the form 000000 a100 and the remainder will go into another divider circuit as divident and the quotient as (50) 10 = (00110010)2
- The quotient now will be of the form 0000000bo and the remainder as 0005040302000



-- Now, we are left with pland po which we will obtain using K-Maps.

ail	ao	bo		PI	Po
0	0	0		0	1
0	0	1		1	0
0	1	0		1	1
0	1	1		1	1
1	0	0	1	11	1
1	0		1	1	1,
1	11	1	0	X	X
1	11		1	1×	×



10 -	- 00	Tuj.	+ 40
0,	a0	100	

D. :	Pool	à 100 0,00		agao	aião
TI	<u>P</u> 0	0	T	X	
	bo			X	