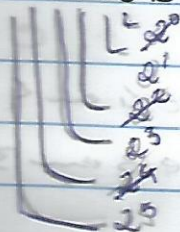


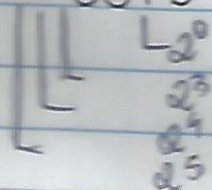
Sistemas digitais e circuitos combinacionais

A) 101010b p/ d



$$2^1 + 2^3 + 2^5 = 2 + 8 + 32 = \underline{42}$$

B) 111001b p/ d.



$$2^0 + 2^3 + 2^4 + 2^5 = 1 + 8 + 16 + 32 = \underline{57}$$

c) 110011b p/ d $\Rightarrow 2^0 + 2^1 + 2^4 + 2^5 = 2 + 1 + 16 + 32 = 51$

d) 68d p/ b $\Rightarrow 64 + 4 = 1000100$

e) 95d p/ b $\Rightarrow \begin{matrix} 64 & 16 & 8 & 4 & 2 & 1 \\ 1 & 0 & 1 & 1 & 1 & 1 \end{matrix} \Rightarrow 1011111$

f) 121d p/ b $\Rightarrow \begin{matrix} 64 & 32 & 16 & 8 & 4 & 2 & 1 \\ 1 & 1 & 1 & 1 & 0 & 0 & 1 \end{matrix} \Rightarrow 1111001$