decoders need to activale to get the accreted value. + Agges the by pan circu-- Normal decoding circolit. - Normal decoding Cerent for (40) 212) * The moun idea. is depend on cen, cour, he are decoding the output and displays on hemodecimed display [cin, coup of the R. Add/subreator circuit]. for (16,14,18) (3) of 0) Decoding the Calculator circul output is more than. - Subraction. (Answer 7, negitive) outputing 515 -subraction Anwer it position. outpet Operation - Addition - Addition

(13 (x)) cinco) com co. I amoney (m) CIX if (cines back 1.e[c=b]] by pay the errout (c=a) 3. and (T=1) sear (-1=0.)" *OWO X Q 10th place y pecoden. व्याजिनाडें) block y pecody block Decodes 2 c2 21 = 0, Coret = 0 and 10,11,12,13,14,15) ? (diem=0, cocy =1 7 -> output > 16) 1 post " - " for registre then point Con -meghtive journbeg. (Mooned past) Lamed, beneat Normal Lygan of cine1, courty thevalue 215 Compleme (12/2(R)) converting 11 (cen=1, west=0) arce; for in Cour .±

Decoder block 2:- it will Just a Normal decode cerup which decodes.

$$\begin{vmatrix} 0 & - & & & \\ 1 & - & & & \\ 2 & - & & & \\ 3 & - & & & \\ 4 & - & & & \\ 10 & - & & & \\ 11 & - & & & \\ 11 & - & & & \\ 13 & - & & & \\ 14 & - & & \\ 14 & - & & \\ 14 & - & & \\ 14 & - & & \\ 14 & - & & \\ 14$$

Decoder block 3: - metaly when (xx15)

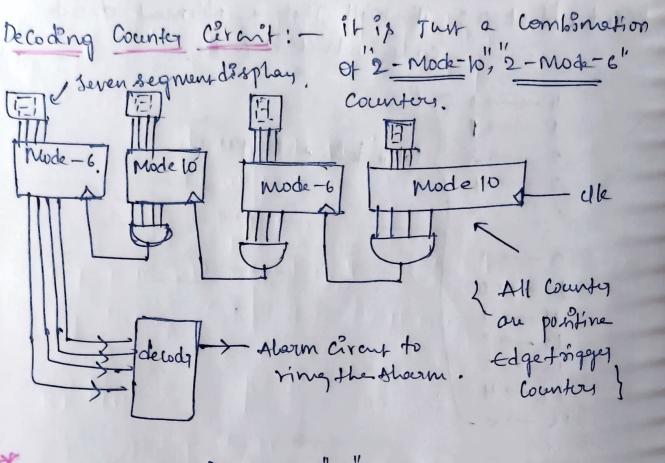
and the state of the state of the

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10010 (18) -> [1000] (8).



All AND gate Will produce "I" as ocepper Where. Countervalues = 0. Otherwipe, Output of AND get = "0". "infial Value of Counters = 9, ... All gods AND gates Roccour et mont.

Becoun of positive Edge trigger fliptop, the Counters will increment the value by", when a lignal goes "(low to high)" at the clk input of country Not (high to bw) "

when country goes, 0 to get values. the outpur of L (No increment of value). AND gale will be high to be

C....

6

C

C

When the Country W'ill increment? for Mode 10 County When Court Value goes from 91 to 0". it means. Output of AND gate goes of tow to high positive edge so the corresponding connected cocenter will Procrement. Similarly for Mode 6 County. When the Count value goes from "5" to "0" Similar thing Will happen, this is how founder will work. cirait, and a configurated discussion a 18 miles (chapel (18 colors)