8/12/23 Main Assignment Venkat Valturi * there de 2 counters, counter A" being & Asynchronous up counter & counter B" is an asynchrnous down counter and out T=0, 0000 & 1111 de loaded respectively as sharn. Jock source (elk) available is IMH ? O' complete the design such that counter B do crements by one value each time when decimal "12" alleas at outPat of counter A. (A. being 15B)? 50) To 20 1 1 2, The 23 23 11 (M12) $\frac{\beta_{2}}{70} = \frac{\beta_{1}}{70} = \frac{\beta_{2}}{70} = \frac{\beta_$ Even datar, when A3 A2 A, A0 = 1100 from the euchion si; so then it toigges's down then of should be Counter. & the block dia 29 am is shown above

Duhat is the decimal value at outPut's of with counters ASB at T = 0.2 millise conds? Joh given that fo = IMH & T= 1/206 106 Te Misee] Francisco Company to Su we know that the soint for counting ood to 1111 we have + up to 16 dock Pluses., so for semaning clock pluse's are at which from (0000 to 011.1) to the of opcounter and for the down counter having that total number of clock and son brack on to the onesall clock pluses i.e 15-12 =) 3, /or down-courtes having number of dock Phise's se 3! (001) 3 what is the preencing of Bo with respect to the dode (MH2) BIJ given to = IMH2. so to Bo bit be even up if com be caracted by Bo frequency = 1/4 1 ty 2 0.25 Millisecont : pequency of Bo lit = 1/2 = tole for IMH2. 1MH2. W anaphon ATher above answer based on the Previous cost classes out Come,