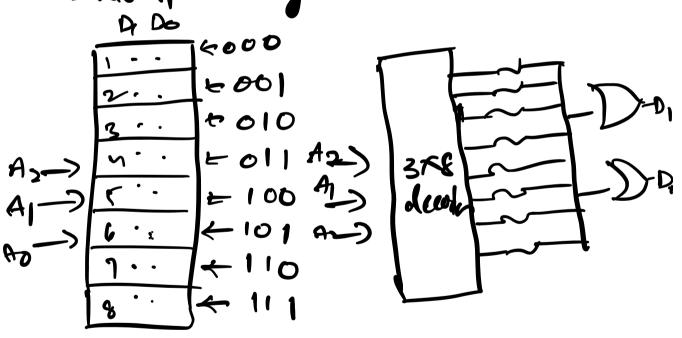
Rendom access memor Read only mining b) sequential ckt 4 combinational CKT () feed back bNo feedback b) Designed using basic 4 using flip Hops

No. of bits stored me each weating

13 No. of memory location



If we hed to store oo in westim 5,100 is selected

n and Sequential circuits: clocked SR flipflop:clk-5 present CIK=1 S R If UK = 0, ff remains in 1300 previous Aate o } Reset 10 1 | } set

flip flop JK if clk = 0 UK=1 K **Rnt**1 F.F LIMAIM Qn In previou Chate O 0 0 ; } set There is a problem of vau arround conliting

Considu mital, J=1, e=1, qn=0 after to sec, Jel, K=1, On=1 after to ser, J=1, k=1, On=0 Repeat because Tp 2 Ton it will given 0,1,0,1,0,1 -- .. unit total To 7 Ton This :1 called race assumd condition to avoid this, we need to make cites 1) to 7 Ton (prectically imposible because of = ps, then Clock frequency should som GHZ @ Marster-slave I.F (egge to ggr Marter - deve Jk Hip flop

CIK

Navter

Steve

(TF)