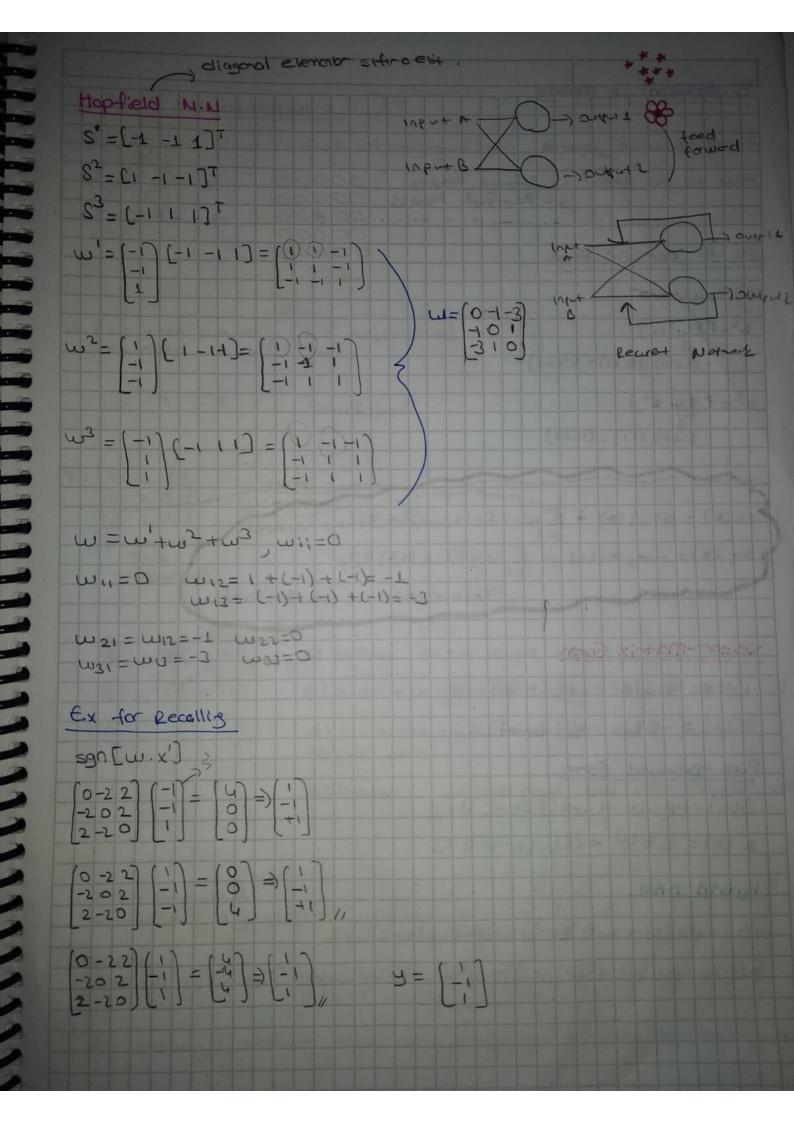


```
* Before applying Lyapunou Theorem equilibrium point is shifted to origin
            ==A(2+x*)+w.g(2+x*)+Ax-wg(x*)
            主=-A主-A*+w[g(生+x*)-g(x*)]+A*
                                4(2)
                       The egiliarium point of this system is the
    ==-A=+wf(=)
1-) The Lyapurou func. is determined for this system.
2-) The defluctive of this function is onclyted to get the steblity
conditions.
  V(=) = E S+(0) ad
                            主=-A主+いチ(主)
                             Estability Condition
  1(5)>0
  U(2) = 0, only at 2=0
                               -w: positive sont - definite
   (た)=をか(生)を
   じ(主)=「(主)、主
    [(≥)=+(≥)[-A≥+w+(≥)]=-A(+(≥),2++(+(≥),w+(≥)
                        = -A+T(2). 2-+T(2) (-w)+(2)
                               -w >0
  Hybrid Z. Delayed
 x(t) = -Ax(t) + wg (x(t)-z) +I
     Pure - delayed Feedback MH
  X(t) = -AX(t) + wg(x(t)) + w= g(x(t - Z)) + I
  Hyprid
                          Z = Delayed
                           OF
```



Bidérectional A Memory -) Heteroossacyothe younda How to use DAM? 1 - Storage Process 2 - Retrioud Process Ex for Retriaval Phose a: key rector 62= [[wTai] (1x16). (16x1) = (7x1) a3= [[w.62] (16x7)(7X1) = (16X1) U:(t) = a; u; (t) + & (2; (+))+ ]; 主はしま)=- しまきはし + こいはらしいはりけま rember of neuros in the first lever Vector-matrix Form 12 ilt) = -Ault) + usf (2 (+)) +I 主(七)=-Bをした)+リチ(した))+ゴ Pure - Delayed Form ilt = -AU(+)+w+(2(+-Z))+I 主(七)= 日をはしてしししとしいりすす Hybrid BAM i(t)=-Au(t)+ w+ (z(t))+w=+(z(t-2))+I

=(+)=-B=(+)+4(u(+))+v=+(u(+-61)+j

