linear Classifier I put offecture value Sum is: activention Each well weight (Features) Pivel Binory Care adivation Neg 50 mt out -1 - ) Just different feature

Spany Pera : 4

feeting Vector - 1 Perco. 2
Perco. 2
Pare: 0
7 Given Verto We learn multiplete W. f (m) veetor (dot Pocknet Biren Deeizm Mayor Span Ham Spain Pos veg fw=0000 offset  $P_0 \sim \geq 0$ 

Production correction Stort weight = 0 Weight Vector of wrong y) +1 of w.f(m) ≥0 1-1 + wf(m)<0 Hwoy
W=W+) y\* of the Correction (w+f)-f=wf+ff70 I told you 2+ Span Ex. Perceptron · Separable Cerse Muticlass Decision Rule Prediction highest Score wine y = org max Wy f(x) Wz W3 Also start 0

y = arg were wy fix)

Eg. Muticlass Percepton "win the vofe" "win the dection" "Win the jame" W Polylics W sports B]As: 0 BIAS: Win; Sane WK tre