ANN: compute adaptive weight

· Initial weights

· Thout 0,2 | 0,1 | 0,3 | -0,1 | 0,2 | which wike o,2 | 0,1 | 0,3 | -0,1 | 0,2 | -0,1 | 0,1 | 0,5

L1, 0,4, 0,7]

(1,2,5) ~ (j,i) ~ K

3) NN architecture

1-2 (1) 0.2

04-> (2) c.5 (K)

(2) Activation function -> sigmoid. Out; = 1 + e notanti

for mode j

-> net out = N, x Wij + Ne x Wej + N/2 x We = 1x 0.2 + 0.4 x 0.8 + 0.7 x 6 = 0.2 + 0.12 + 0-0,0

= 0.25.

. for noce i.

-> netout i = N+ Win + Ne + Wei + Ne - 1 = 1 × 0.1 + 0,4 × (-c.1) + C.T.

- 0.1 + C-0.04) +0.14

> cuti = 1+2-0.2 - 0.54

- for cutput K - net out K = N: x Wik + N; x W; K - 0.54 x 0.5 + 0.56 x 0 0.626 y out x " 1+ e-0.84C = 0.58