

# Compute adaptive weight for ANN (by hand)

Given the initial weights:

$w_{1j}$	$w_{1i}$	$w_{2j}$	$w_{2i}$	$w_{3j}$	$w_{3i}$	$w_{jk}$	$w_{ik}$
0.2	0.1	0.3	-0.1	-0.1	0.2	0.1	0.5

Input: [1, 0.4, 0.7]

Nodes:

(1,2,3)  $\rightarrow$  (j,i)  $\rightarrow$  k

Calculate the updated weights for the first iteration.