

Y OUTPUT
↑
SOFTMAX

NUMBER OF
HIDDEN UNITS



HIDDEN

MAX POOLING

NUMBER OF
MOTIFS

...

...

RELU(COV(X))

FEAT1

0 1 1 ... 1 0 1 0 0 1 0 ... 0 1 0 0 1 1 ... 0 1 0

•

•

•

HEIGHT OF
MOTIF

WIDTH OF
MOTIF

INPUT

FEATK

0 0 0 ... 0 1 0 0 0 1 ... 0 1 1 0 0 1 ... 0 1 1

ENHANCER1

ENHANCER2

PROMOTER

