

capafully connect?

Solution

$$\int_{i=1}^{\infty} \frac{J}{j=1} \sum_{k'=1}^{\infty} W_{ijk}^{ij'k'} \chi_{i'j'k'} \qquad i=2 \text{ to } I-1$$

$$j=2 \text{ to } J-1$$

$$k=1 \text{ to } k$$

Nparams = [(I-2)(J-2)k2]x(IxJxk,)

Nmultiplications = (1-2) (J-2) K2 x I x J x K,

(b) Q : CNN 3 x 3 x K,

Colutia

Nparams = (3×3×K1)×K2

Nmult = $(Z-2)(J-2)k_2 \times 3 \times 3 \times k_1$ (1) Q differences? Solution

20,00		
	fully connected	CNM
Dp arameters	massive ~	significantly fewer n
straining	longer	
time 3 menory requirement	1.5.1	fast
@multipli-	higher	lower
cation	a large number	fewer
Ocal pattern	less effective	
l		eff ectively