Page()

MII MIY MIY

MYI MYY MYI

w _{II}	wlk
WH	WYY
 Keri	nel

hij	hip
hyl	hyy

input

11 pr

forward (n, w, b) ?

hil = wilnit + wihnik + whinhi + mkhuhh + p

WIK = WILNIA + WILNIA + ONLINKA + ONLINKA + P

WAT = MITWAT + MIKWAL + MATWAT + MAKWAL + P

WAS = MINKS + MINNSh + MAINGS + MAS When + P

return h

P= 1/k (h11+h1+h1+h1+h1+)

(-

Average pooling



$$\frac{\partial P}{\partial b} = \frac{1}{k} \left(1 + 1 + 1 + 1 \right) = 1$$

$$\frac{\partial P}{\partial w} = \begin{bmatrix} \alpha_1 & \alpha_2 \\ \alpha_3 & \alpha_4 \end{bmatrix}$$

$$\frac{\partial P}{\partial w} = \begin{bmatrix} \alpha_1 & \alpha_2 \\ \alpha_3 & \alpha_4 \end{bmatrix}$$

211	My	np	7	w	(<u> </u>	
	1.		V11 V14	w wy	hu hir	
141	1 MYF	Nym	10 19		hy hyr	
1 mm	NAL	1 Whh	Jan Jan	211 21×	output	
ter excess to some control of	input		3	Z	Sucpus	
	a transportant parameters	***************************************		-1.	transferance order constraints and south 1884	

kernels

$$\frac{\partial V_{II}}{\partial P} = N_{IK} , \frac{\partial W_{IK}}{\partial P} = N_{IK} , \frac{\partial W_{IK}}{\partial P} = N_{KK} , \frac{\partial W_{KK}}{\partial P} = N_{KK}$$

$$\frac{\partial P}{\partial y_{11}} = ny_{1}, \quad \frac{\partial P}{\partial y_{11}} = ny_{1}, \quad \frac{\partial P}{\partial y_{11}} = ny_{1}, \quad \frac{\partial P}{\partial y_{11}} = ny_{1}$$

$$\frac{\partial p}{\partial b_1} = \frac{1}{k}$$
, $\frac{\partial p}{\partial b_1} = \frac{1}{k}$, $\frac{\partial p}{\partial b_2} = \frac{1}{k}$, $\frac{\partial p}{\partial b_3} = \frac{1}{k}$

$$\Rightarrow \frac{\partial \rho}{\partial v} = \frac{1}{r} \begin{bmatrix} v_{11} & v_{1r} \\ v_{21} & v_{2r} \end{bmatrix}$$