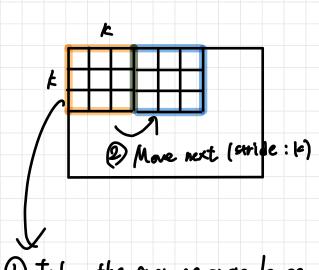
$$Y_{1}, i_{1} = \sum_{\alpha=1}^{3} \sum_{\beta=1}^{3} W_{1}, \alpha_{\beta} \cdot X_{1} + (\alpha-2), j + (\beta-2)$$

W1,2,2, W1,3,2 と 0・1 ・14 - 22 = W1,2,2 Xi,j +W1,3,2 Xit() = -Xij +Xit() 外やオ程

$$\begin{array}{ll}
Y_{2,i,\lambda} &= \sum_{k=1}^{3} \sum_{\beta=1}^{3} W_{2,i,\lambda} X_{i+(\alpha-2),i+(\beta-2)} \\
&= W_{2,2,2} X_{i,\lambda} + W_{2,2,3} X_{i,\lambda+1} \\
&= -X_{i,\lambda} + X_{i,\lambda+1}
\end{array}$$

2. Aug-Po, 12 do parotion 2135 42 DA 204 845014



1) take the average over k squared elements

3. 
$$W_{1,1,1} = 0.299$$
,  $W_{2,1,1} = 0.587$ ,  $V_{3,1,1} = 0.114$   
 $Y_{1,1,1} = \sum_{i=1}^{3} W_{3,1,1} \cdot X_{3,i,i}$   
 $X_{i,i,1} = \sum_{i=1}^{3} W_{3,i,1} \cdot X_{3,i,i,i}$   
 $X_{i,i,1} = 0.299 \times 10.587 \times 10.587 \times 10.114 \times 10.1$ 

4 max pool operation only they zzhol भूति सर् प निमासक रत्रामा हरो. nondecreasing 43471 4th 6200184 6 (h)2 6 (a) 0 |z/. maxpool operation only oft max to the 岩旗和 例至本. 24.2 九; i= 時間如此 index 2개전 6(2) 1학. 3,6元生中 max pool operation 物之,6(スk) 小性型 考, 6 (P(A)) = 6 (RL) (6(A)) = 6(AF) 일본 명목 An 대 명임 423 6(((X))=(6(X))

$$\frac{\partial Y_{1}}{\partial b} = \frac{\partial Y_{2}}{\partial y_{1}} = AL$$

$$\frac{\partial Y_{1}}{\partial b} = \frac{\partial Y_{2}}{\partial b_{1}} \frac{\partial Y_{2}}{\partial b_{2}} \dots$$

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6. (a) Ye = Acyc-1 +be

(h)

ALGIRIXAL-

= Lian (6 (Asyx-1+bx)) ( SYL ) YRA