1.1(a)
$$(h, \omega) = (10, 11)$$

 $k = 3$
 $5 = 2$
 $h' = (h + 2P - f)/5 + 1$
 $= (10 - 3)/2 + 1$
 $= 4$
 $\omega' = (1 - 3)/2 + 1 = 5$
 $(h', \omega) = (4,5)$

(6)
$$c' = F$$
 $H' = (H + 2P - D(N-1) - 1) + 1$
 $W' = (W + 2P - D(N-1) - 1) + 1$

(C',H', w') w

(c)
$$\alpha \in \mathbb{R}^{5 \times 2}$$
 $\omega \in \mathbb{R}^{1 \times 2 \times 3} \leftarrow \text{ one word of size '3'}.$

Output size $\Xi = 5 - 3 + 1 = 3 = (1 \times 3)$
 $\omega = \begin{bmatrix} \omega_1 & \omega_2 & \omega_3 \\ \omega_{21} & \omega_{11} & \omega_{22} \end{bmatrix}$
 $\alpha = \begin{bmatrix} \alpha_1 & \alpha_2 & \alpha_3 \\ \alpha_{21} & \alpha_{22} & \alpha_{23} & \alpha_{24} \\ \alpha_{22} & \alpha_{23} & \alpha_{24} & \alpha_{24} \\ \alpha_{21} & \alpha_{22} & \alpha_{23} & \alpha_{24} \\ \alpha_{21} & \alpha_{22} & \alpha_{24} & \alpha_{24} \\ \alpha_{22} & \alpha_{23} & \alpha_{24} & \alpha_{24} \\ \alpha_{21} & \alpha_{22} & \alpha_{24} & \alpha_{24} \\ \alpha_{22} & \alpha_{24} & \alpha_{24} & \alpha_{24} \\ \alpha_{21} & \alpha_{22} & \alpha_{24} & \alpha_{24} \\ \alpha_{21} & \alpha_{24} & \alpha_{24} & \alpha_{24} \\ \alpha_{21} & \alpha_{24} & \alpha_{24} & \alpha_{24} \\ \alpha_{21} & \alpha_{$

(ii)
$$\frac{\partial \omega \partial t}{\partial w}$$
, $\in \mathbb{R}^{1 \times 2 \times 3}$

$$\frac{\partial o}{\partial w} = \pi i , \quad \frac{\partial o}{\partial w} = \pi i (j + 1), \quad \frac{\partial o}{\partial w} = \pi i (j + 2)$$

$$\frac{\partial o}{\partial w} \in \mathbb{R}^{1 \times 3 \times 2 \times 3}$$
, out $\lim_{n \to \infty} 1$

$$\frac{do_1}{dn_{ij}} = w_{ij}, \quad \frac{do_2}{dn_{ij}} = w_{i(j-1)}, \quad \frac{do_3}{dn_{ij}} \ge w_{i(j-2)}$$

$$\frac{do_2}{dn_{ij}} = w_{ij}, \quad \frac{do_3}{dn_{ij}} \ge w_{i(j-2)}$$

$$\frac{\partial 0}{\partial x} \in \mathbb{R}^{1 \times 3 \times 5 \times 2}$$
 onit d'in = 1

(iv)
$$\frac{dl}{dw} \in \mathbb{R}^{2\times 3}$$
 $\frac{dl}{dw} = \frac{dl}{dw} \times \frac{d\omega}{dw}$