$$\bigcirc R = \begin{pmatrix} G^7 \\ G^7 \end{pmatrix}$$

$$S = \sum (G_{\alpha} \cdot G)$$

$$f < S < 0$$

$$G_{\alpha} \leftarrow -G_{\alpha}$$

$$r_y \leftarrow -r_y$$

6 Let 
$$Ra = (R_1)$$

$$/~Ra, \{R\} \rightarrow 1, \{RRa\}$$

1. detect wave direction

$$Q \text{ Let } R = \begin{pmatrix} \Gamma_1^T \\ \Gamma_2^T \end{pmatrix}, \text{ W=K(R+)}(X)$$

$$\mathcal{P}_{C \to W}(0) = \mathbb{R}^{7}(0)$$

$$= (\mathbf{r} \ \mathbf{r} \ \mathbf{r}) \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$$

3) use {r3} to detect

wave direction,

here 13 is homogeneous