

**A**

$$v_i \in \left\{ \begin{array}{cccccc} \text{all} & \text{side} & \text{task} & \text{diag} \\ \begin{pmatrix} + & + & + & - & - & - & + & - \\ + & + & + & - & + & + & - & + \end{pmatrix} \end{array} \right\}$$

**B**