

$$V(2,0) = \left\{ \begin{array}{l} \text{(east)} \\ \text{for east} \end{array} \right. = \left\{ 0.8[0 + 0.9(1.0)] + 0.1 \begin{array}{l} \text{(north)} \\ [0 + 0.9(0)] \end{array} \right\}$$

$$= 0.72$$

	(0,0)		(3,0)
	0	0	0
	0	0	+1
	0	0	-1
(0,2)	0	0	0
			(3,2)

$$V(1,0) = \left\{ \begin{array}{l} \text{for east} \end{array} \right. = \left\{ 0.8[0 + 0.9(0.72)] + 0.1[0 + 0.9(0.0)] \right\}$$

$$= 0.5184$$

0	0	0.2	+1
0	0	0	-1
0	0	0	0

$$V(2,0) = \left\{ \begin{array}{l} \text{(east)} \\ \text{for east} \end{array} \right. = \left\{ 0.8[0 + 0.9(1.0)] + 0.1 \begin{array}{l} \text{(north)} \\ [0 + 0.9(0.72)] \end{array} \right\}$$

$$= 0.7848$$

$$V(1,3) = \left\{ \begin{array}{l} \text{for north} \end{array} \right. = \left\{ 0.8[0 + 0.9(0.72)] + 0.1[0 + 0.9(-1.0)] + 0.1[0 + 0.9(0)] \right\}$$

$$= 0.4284$$

$$V(2,0) = \left\{ \begin{array}{l} \text{for east} \end{array} \right. = \left\{ \begin{array}{l} \text{(east)} \\ 0.8[0 + 0.9(0.72)] \\ \text{(north)} \\ + 0.1[0 + 0.9(0.7848)] \\ \text{(south)} \\ + 0.1[0 + 0.9(0.4284)] \end{array} \right\}$$

$$= \underline{0.829188}$$

0	0.5184	0.7848	+1
0	0	0.4284	-1
0	0	0	0