



(0,0)	(1,0)	(2,0)	(3,0)
			
(0,1)	(1,1)	(2,1)	(3,1)
	B		
(0,2)	(1,2)	(2,2)	(3,2)
	C		A
(0,3)	(1,3)	(2,3)	(3,3)
			




$$v_0 = \{ (1, 0) \}$$

$$v_A = \emptyset$$

$$v_B = \emptyset$$

$$v_C = \emptyset$$

$$q = [(1, 0), [(1, 0)], 0]$$

(0,0)	(1,0) 	(2,0)	(3,0)
(0,1)	(1,1)  B	(2,1)	(3,1)
(0,2)	(1,2) C	(2,2)	(3,2) A
(0,3) 	(1,3)	(2,3)	(3,3)

$$c_1 = ((1,0), [(1,0)], 0)$$




$$v_0 = \{(1,0)\}$$

$$v_A = \emptyset$$

$$v_B = \{(\underline{1}, 1)\}$$

$$v_C = \emptyset$$

$$q = [(\underline{1}, 1), [(1,0), (1,1)], B]$$

(0,0)	(1,0)	(2,0)	(3,0)
			
(0,1)	(1,1)	(2,1)	(3,1)
	 B		
(0,2)	(1,2)	(2,2)	(3,2)
	C		A
(0,3)	(1,3)	(2,3)	(3,3)
			

$$c_2 = ((1, 1), [(1, 0), (1, 1)], B)$$

$$v_0 = \{(1, 0)\}$$

$$v_A = \emptyset$$

$$v_B = \{(1, 1), (2, 1)\}$$

$$v_C = \emptyset$$

$$q = [(2, 1), [(1, 0), (1, 1)], (2, 1)], B]$$

(0,0)	(1,0)	(2,0)	(3,0)
(0,1)	(1,1)	(2,1)	(3,1)
(0,2)	(1,2)	(2,2)	(3,2)
(0,3)	(1,3)	(2,3)	(3,3)

Diagram illustrating a game state on a 4x4 grid. The grid is divided into four quadrants by a vertical line between columns 1 and 2, and a horizontal line between rows 1 and 2. The quadrants are labeled A (bottom-right), B (top-left), C (bottom-left), and D (top-right). The grid contains a blue circle at (1,0), a red circle at (0,3), and a yellow square at (2,1). A green path is shown starting from (1,0), moving down to (1,1), then right to (2,1), and finally down to (2,2). The letter 'B' is placed at (1,1), 'C' at (1,2), and 'A' at (3,2).

$$c_3 = ((2, 1), [(1, 0), (\underline{1, 1}), (2, 1)], B)$$




$$v_0 = \{(1, 0)\}$$

$$v_A = \emptyset$$

$$v_B = \{(\underline{1, 1}), (2, 1), (\underline{3, 1})\}$$

$$v_C = \emptyset$$

$$q = [(\underline{3, 1}), [(1, 0), \dots, (2, 1), (3, 1)], B]$$

(0,0)	(1,0)	(2,0)	(3,0)
			
(0,1)	(1,1)	(2,1)	(3,1)
	B		
(0,2)	(1,2)	(2,2)	(3,2)
	C		A
(0,3)	(1,3)	(2,3)	(3,3)
			

$$c_4 = ((3, 1), [(1, 0), \dots, (2, 1), (3, 1)], B)$$

$$v_0 = \{(1, 0)\}$$

$$v_A = \{(3, 2)\}$$

$$v_B = \{(1, 1), (2, 1), (3, 1)\}$$

$$v_C = \emptyset$$

$$q = [(3, 2), [(1, 0), \dots, (3, 1), (3, 2)], A]$$

(0,0)	(1,0)	(2,0)	(3,0)
(0,1)	(1,1)	(2,1)	(3,1)
(0,2)	(1,2)	(2,2)	(3,2)
(0,3)	(1,3)	(2,3)	(3,3)

$$c_5 = ((3, 2), [(1, 0), \dots, (3, 1), (3, 2)], A)$$

$$v_0 = \{(1, 0)\}$$

$$v_A = \{(3, 2), (3, 3)\}$$

$$v_B = \{(1, 1), (2, 1), (3, 1)\}$$

$$v_C = \emptyset$$

$$q = [(3, 3), [(1, 0), \dots, (3, 2), (3, 3)], A]$$

(0,0)	(1,0)	(2,0)	(3,0)
(0,1)	(1,1)	(2,1)	(3,1)
(0,2)	(1,2)	(2,2)	(3,2)
(0,3)	(1,3)	(2,3)	(3,3)

$$c_6 = ((3, 3), [(1, 0), \dots, (3, 2), (3, 3)], A)$$

$$v_0 = \{(1, 0)\}$$

$$v_A = \{(3, 2), (3, 3), (2, 3)\}$$

$$v_B = \{(1, 1), (2, 1), (3, 1)\}$$

$$v_C = \emptyset$$

$$q = [(2, 3), [(1, 0), \dots, (3, 3), (2, 3)], A]$$

(0,0)	(1,0)	(2,0)	(3,0)
(0,1)	(1,1)	(2,1)	(3,1)
(0,2)	(1,2)	(2,2)	(3,2)
(0,3)	(1,3)	(2,3)	(3,3)

$$c_7 = ((2, 3), [(1, 0), \dots, (3, 3), (2, 3)], A)$$

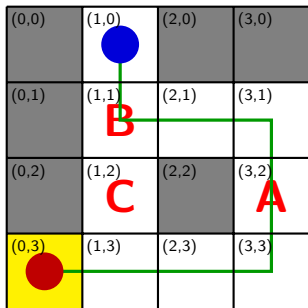
$$v_0 = \{(1, 0)\}$$

$$v_A = \{(3, 2), (3, 3), (2, 3), (1, 3)\}$$

$$v_B = \{(1, 1), (2, 1), (3, 1)\}$$

$$v_C = \emptyset$$

$$q = [(1, 3), [(1, 0), \dots, (2, 3), (1, 3)], A]$$



$$c_g = ((0, 3), [(1, 0), \dots, (1, 3), (0, 3)], A)$$

$$v_0 = \{(1, 0)\}$$

$$v_A = \{\dots, (3, 3), (2, 3), (1, 3), (0, 3)\}$$

$$v_B = \{(1, 1), (2, 1), (3, 1)\}$$

$$v_C = \emptyset$$

$$q = []$$