

# TestCase 1

a=[4, 11, 0, 2, 5, 6, 7, 8, 10, 12, 13, 14, 15]

		cd			
ab		0 0	0 1	1 1	1 0
	0 0	1	0	0	1
	0 1	0	1	1	1
	1 1	1	1	1	1
	1 0	1	0	0	1

# TestCase 2

b = [4, 13, 0, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13]

		cd			
ab		0 0	0 1	1 1	1 0
	0 0	1	0	1	1
	0 1	1	1	1	1
	1 1	1	1	0	0
	1 0	1	1	1	1