

$c[1][0] = 0, c[0][0] = 0, c[1][1] = 0, c[0][1] = 1$   
 $c[1][0] = 0, c[0][0] = 0, c[1][1] = 1, c[0][1] = 0$   
 $c[1][0] = 0, c[0][0] = 1, c[1][1] = 0, c[0][1] = 0$   
 $c[1][0] = 0, c[0][0] = 1, c[1][1] = 1, c[0][1] = 1$   
 $c[1][0] = 1, c[0][0] = 0, c[1][1] = 0, c[0][1] = 0$   
 $c[1][0] = 1, c[0][0] = 0, c[1][1] = 1, c[0][1] = 1$   
 $c[1][0] = 1, c[0][0] = 1, c[1][1] = 0, c[0][1] = 1$   
 $c[1][0] = 1, c[0][0] = 1, c[1][1] = 1, c[0][1] = 0$

diagonal  
col\_or\_line

$c[1][0] = 0, c[0][0] = 0, c[1][1] = 1, c[0][1] = 1$   
 $c[1][0] = 0, c[0][0] = 1, c[1][1] = 0, c[0][1] = 1$   
 $c[1][0] = 1, c[0][0] = 0, c[1][1] = 1, c[0][1] = 0$   
 $c[1][0] = 1, c[0][0] = 1, c[1][1] = 0, c[0][1] = 0$

diagonal

$c[1][0] = 0, c[0][0] = 1, c[1][1] = 1, c[0][1] = 0$   
 $c[1][0] = 1, c[0][0] = 0, c[1][1] = 0, c[0][1] = 1$

diagonal diagonal

$c[1][0] = 0, c[0][0] = 0, c[1][1] = 0, c[0][1] = 0$   
 $c[1][0] = 1, c[0][0] = 1, c[1][1] = 1, c[0][1] = 1$

Board/Q (4 classes)

