

1	0	0
0	1	0
0	0	2

$$\begin{array}{l|l} (0,0) \rightarrow (0,0) & (1,1) \rightarrow (1,1) \\ (0,1) \rightarrow (1,0) & (1,2) \rightarrow (2,1) \\ (0,2) \rightarrow (2,0) & \end{array}$$

```
for (int i = 0; i < n; i++) {
  for (int j = i; j < m; j++) {
    if (matrix[i][j] != matrix[j][i])
      return false;
  }
}
```

```
for (int i = 0; i < n; i++) {
  for (int j = 0; j < m; j++) {
    if (i == j && matrix[i][j] != 1)
      return false;
    else if (i != j && matrix[i][j] != 0)
      return false;
  }
}
```

(0,2)  
↓  
(1,1)

	a	b	c	d
1	a	b	c	d
2	c	b	a	d
3	d	a	c	b

(0,0) → (0,1) → (2,2), (0,2)  
(0,1) → (1,0) → (2,2)  
(0,2) → (1,2) = (0,0)

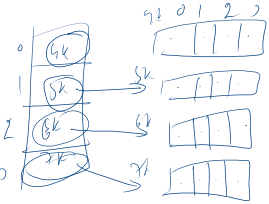
a	b	c	d	e
---	---	---	---	---

for (int i = 0; i < 5; i++) {  
 // a, b, c, d, e

a	e	b	j
b	f	i	
c			
d			

$$\begin{array}{l} (2,2) = (2,2) \\ (2,2) = (2,2) \end{array}$$

$$\begin{array}{l|l} (0,0) = (0,0) & (1,1) = (1,1) \\ (0,1) = (1,0) & (1,2) = (2,1) \\ (0,2) = (2,0) & (1,2) = (2,1) \\ (2,2) = (2,2) & \end{array}$$



for (int i = 0; i < 5; i++) {  
 // a, b, c, d, e

⌋