



```
In [15]: n=5
for i in range(n):
    num=i%2
    for j in range(i+1):
        print(num,end=" ")
        num=1-num
    print()

    n=5
for i in range( n, 0, -1):
    num=(n-i)%2
    for j in range(i):
        print(num, end=" ")
        num=1-num
    print()
```

```
0
1 0
0 1 0
1 0 1 0
0 1 0 1 0
0 1 0 1 0
1 0 1 0
0 1 0
1 0
0
```