Write program to print the following patterns . Pattern should be scalable, if input
(number of lines) is 5 then the output should be.
Qn1.

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

Qn3.
```
        A
       A*B
      A*B*C
     A*B*C*D
    A*B*C*D*E
```

Qn5.
```
        A
       B*B
      C***C
     D*****D
    E*******E
```

Qn2.

```
* * * * *
 * * * *
  * * *
   * *
    *
```

Qn4.
```
A
B C
D E F
G H I J
K L M N O
```

Qn6.
```
5 5 5 5 5
* * * *
3 3 3
* *
1
```

 If input is 3 then , write program to print the following patterns
Qn7.
```
* * * *
* * *
* *
*
* *
* * *
* * * *
```

Qn8.
```
   *
  * *
 * * *
* * * *
 * * *
  * *
   *
```

Qn 9.
```
A A A A
 B B B
  C C
   D
  C C
 B B B
A A A A
```

Qn10.

```
1 2 3 4 3 2 1
1 2 3   3 2 1
1 2       2 1
1           1
```

Qn11.
```
* * * * * * *
* * *   * * *
* *       * *
*           *
* *       * *
* * *   * * *
* * * * * * *
```