

## Pattern 3

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Q1:

```

x x
x x
x x x x
x x x x
x x x x x x
x x x x x x

```

Q2:

```

0
1 0
0 1 0
1 0 1 0

```

Q3:

```

*
**
***
****
*****
*****
****
***
**
*

```

Q4:

```

      x
    x  x
  x x x x
x x x x x

```

Q5:

```

1
1 2 2 1
1 2 3 3 2 1

```

Q1:

```

x x  ← i=1
x x  ← i=2
x x x x ← i=3
x x x x
x x x x x ← i=5
x x x x x
x x x x x

```

Steps = 0

→ + 2

Steps = 2

→

Steps = 4

int steps = 0;

for (int i = 1; i <= n; i++) {

if (i % 2 != 0) steps = steps + 2;

for (int j = 1; j <= steps; j++) {

cout << "x";

i } sout("n");