

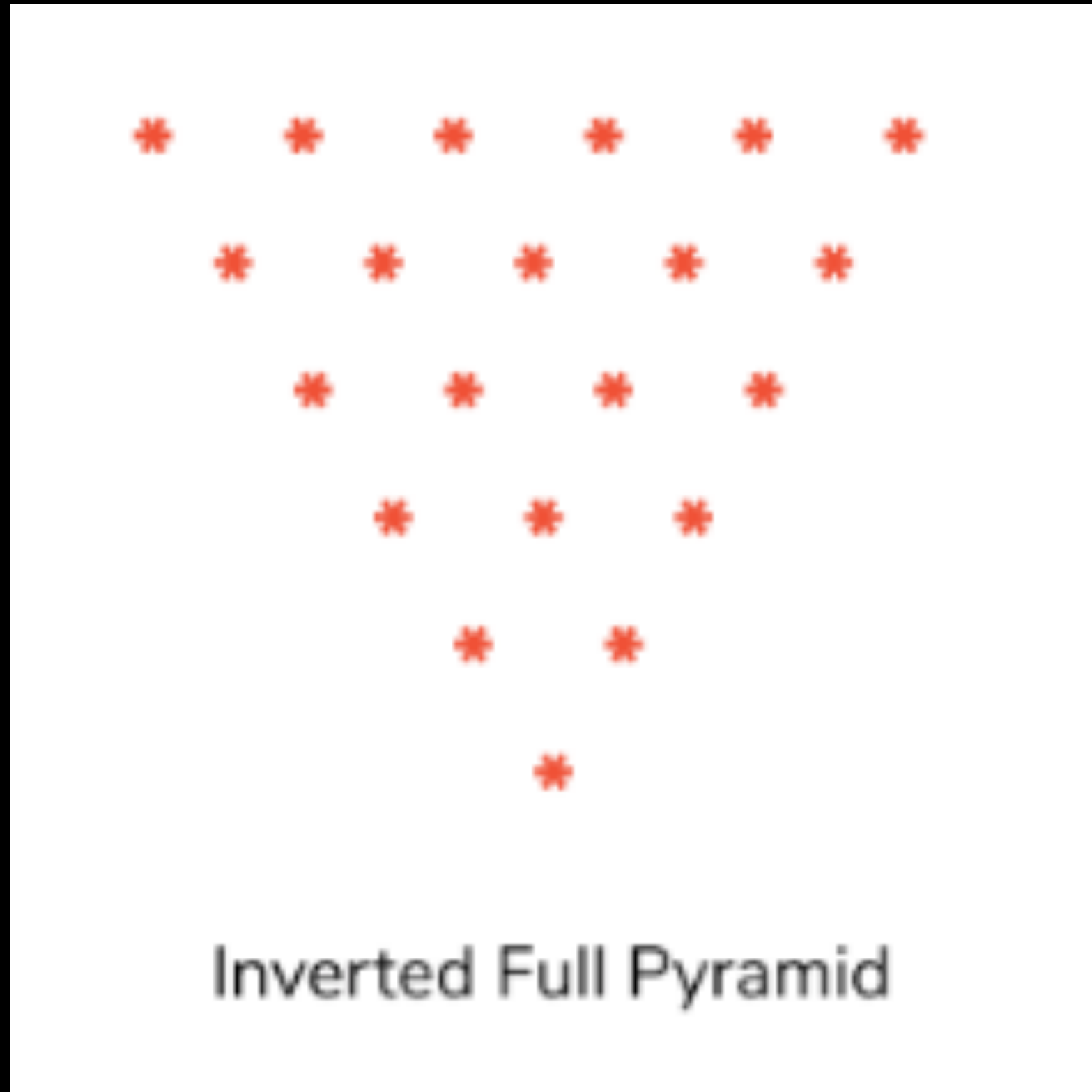
Some more Patterns

Instructor: Love Babbar

Full Pyramid



Inverted Full Pyramid



Numeric Full Pyramid

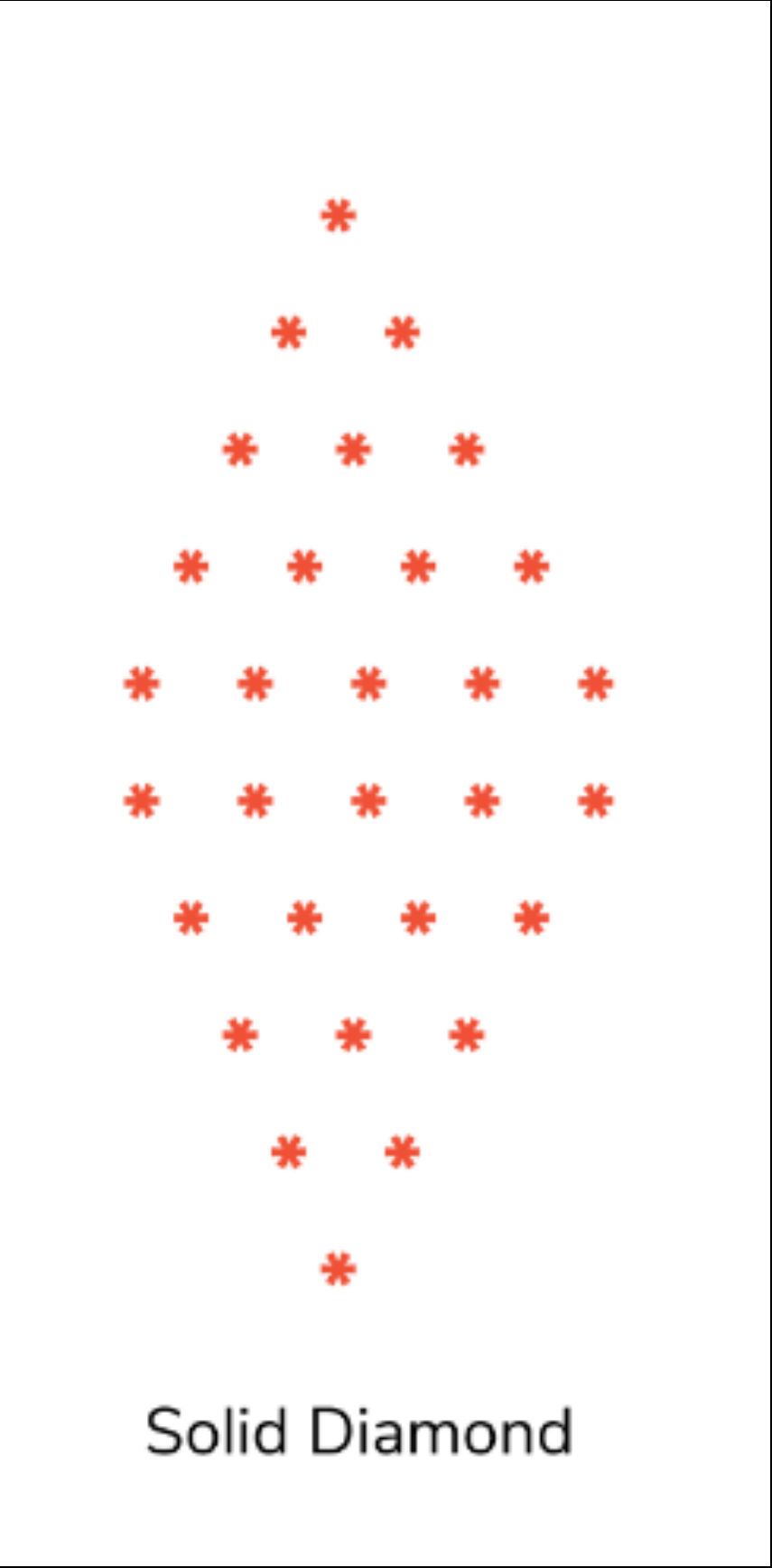


Full Pyramid

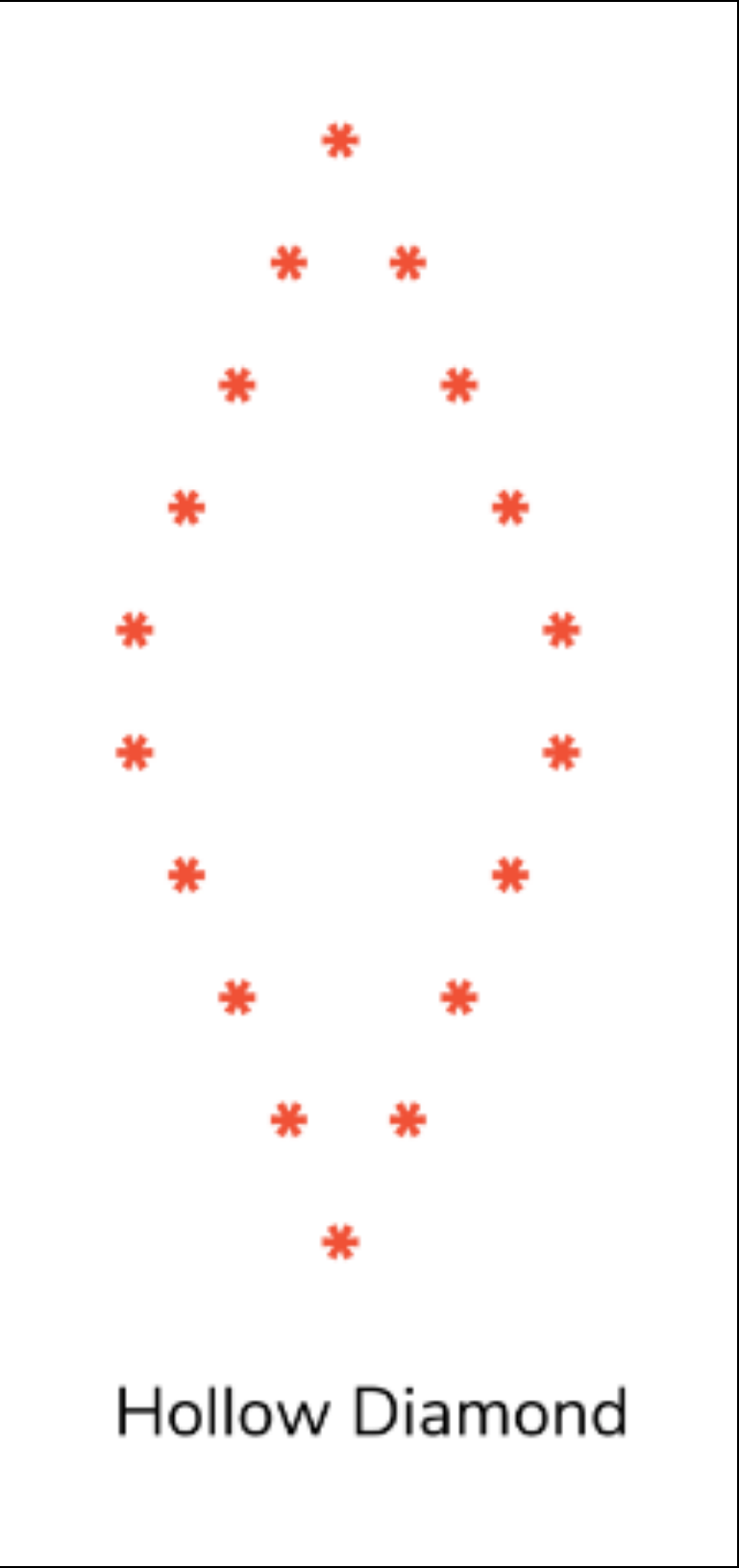
Numeric Hollow Pyramid



Solid Diamond



Hollow Diamond



Flipped Solid Diamond



Fancy Pattern #1

3

44

555

6666

555

44

3

Fancy Pattern #2

1

2*2

3*3*3

4*4*4*4

4*4*4*4

3*3*3

2*2

1

Alphabet Palindrome Pyramid



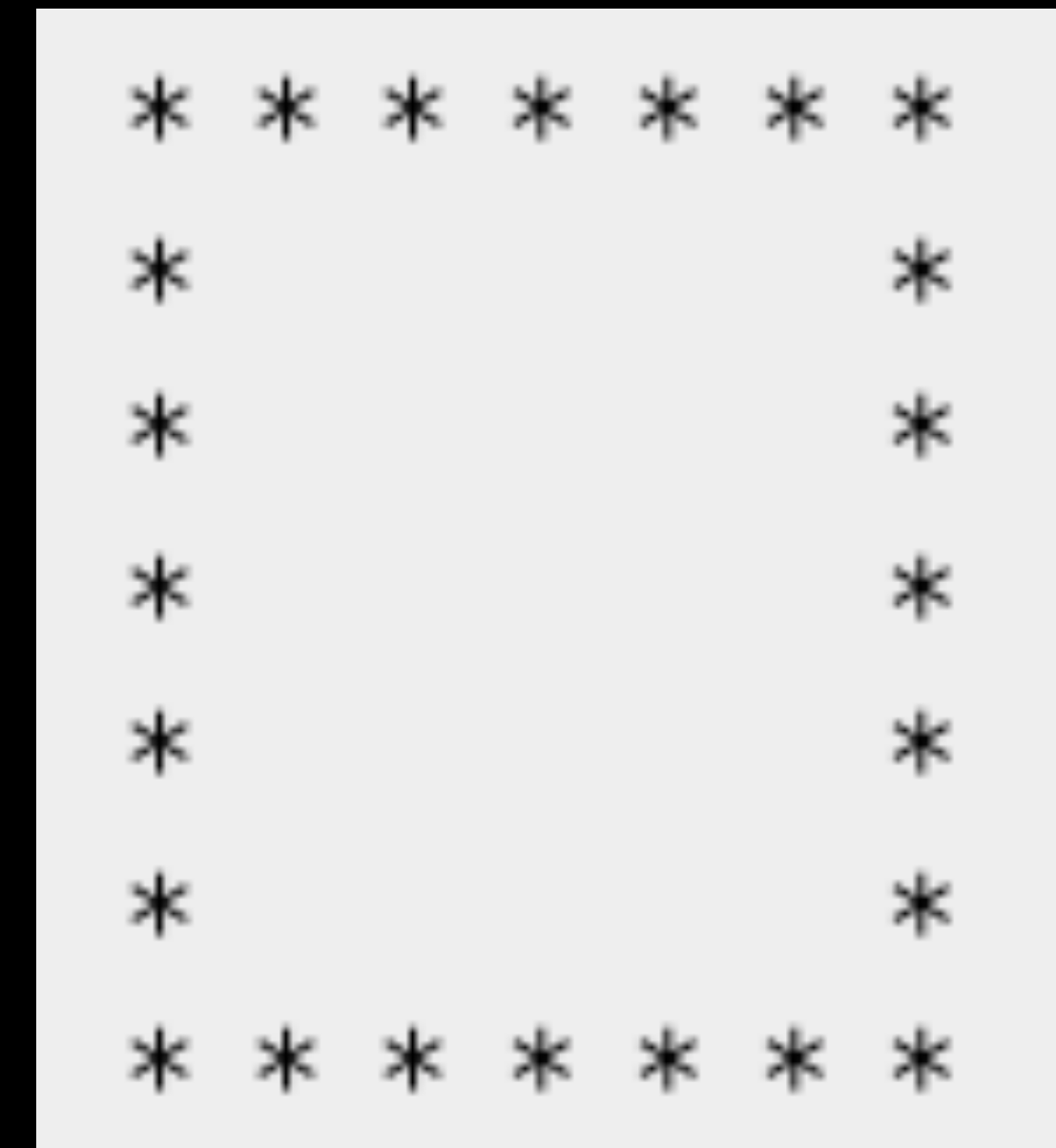
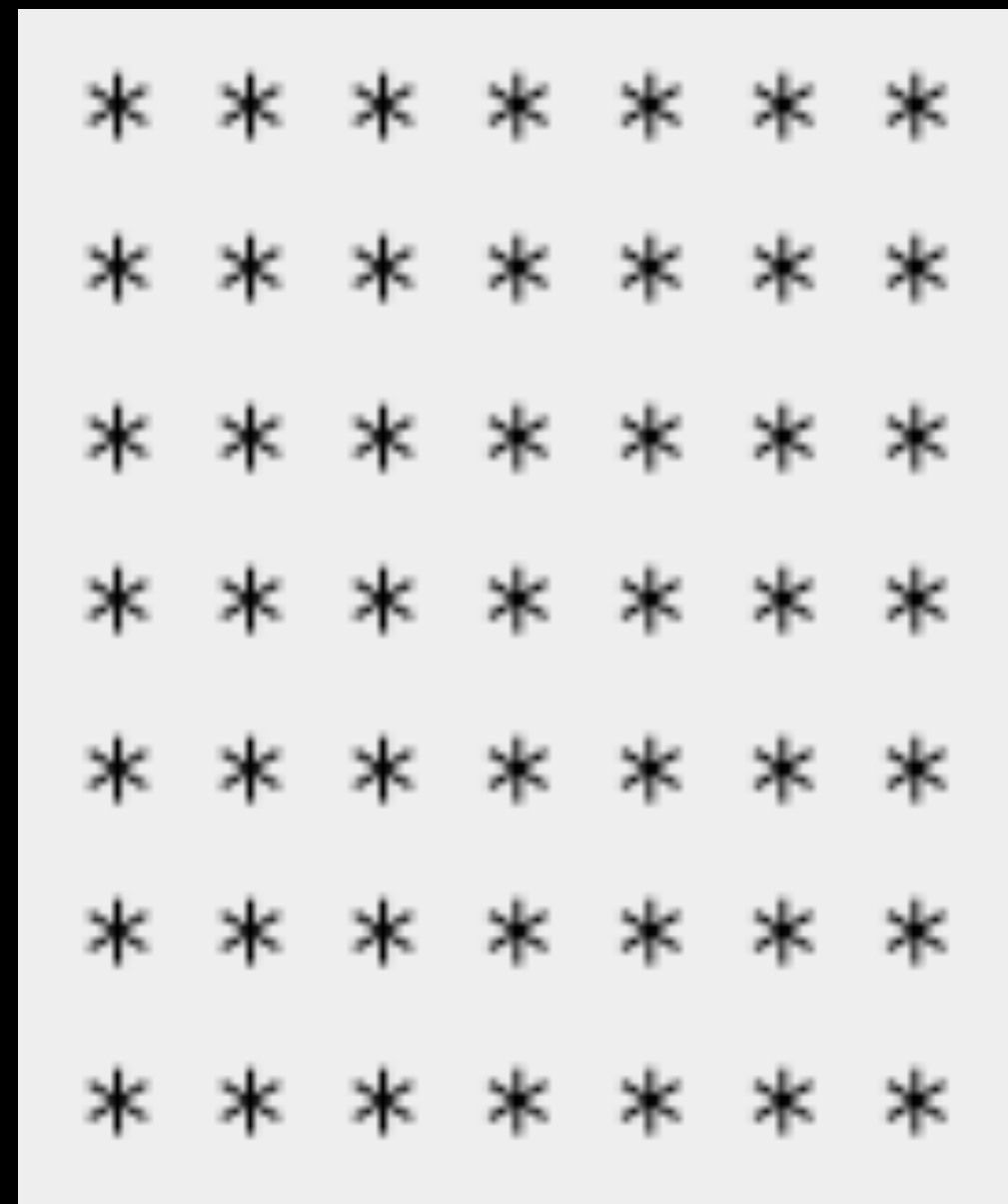
A pyramid of red uppercase letters on a black background. The pyramid consists of five rows. The first row has one letter 'A'. The second row has three letters 'A B A'. The third row has five letters 'A B C B A'. The fourth row has seven letters 'A B C D C B A'. The fifth row has nine letters 'A B C D E D C B A'. Each row is a palindrome, and the letters follow the alphabet from A to E in the center of each row.

A
A B A
A B C B A
A B C D C B A
A B C D E D C B A

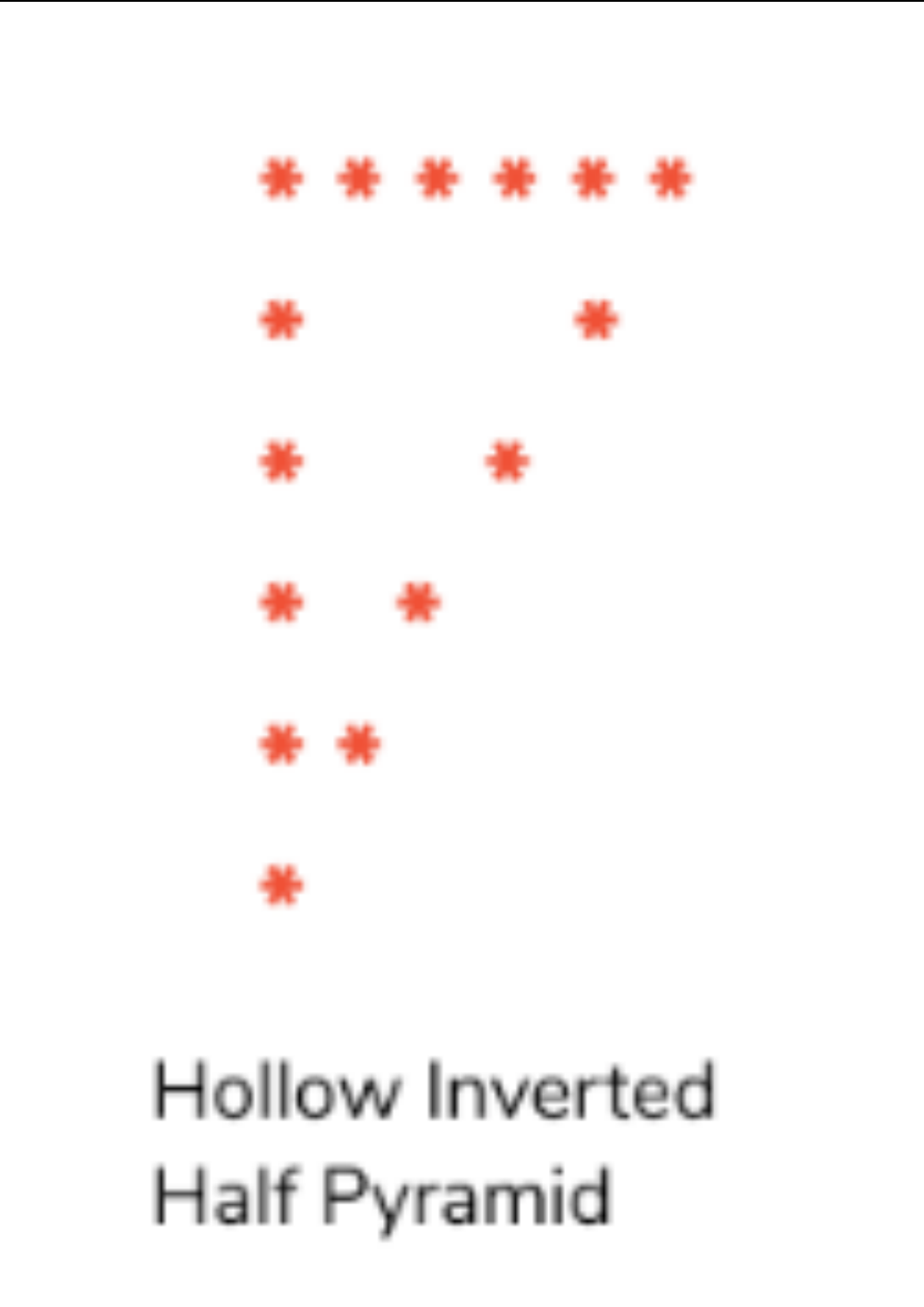
Homework:

Let's start with Simple Stuff

Solid Square Pattern[on the LEFT] && Hollow Square Pattern[on the RIGHT]



Hollow Inverted half Pyramid



Hollow Full Pyramid



Numeric Hollow Half Pyramid



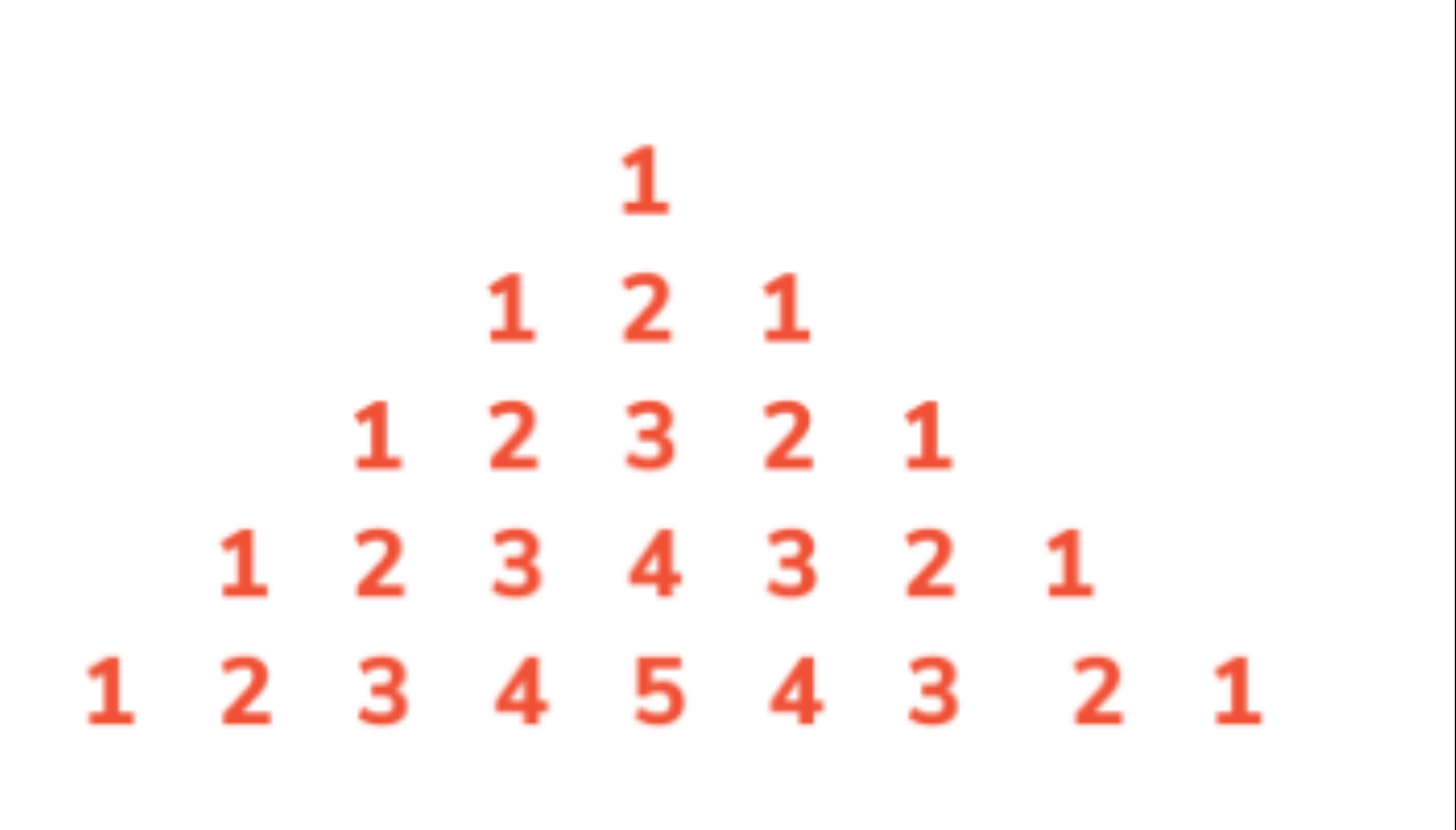
Hollow
Half Pyramid

Numeric Hollow Inverted Half Pyramid

```
1 2 3 4 5
2      5
3    5
4  5
5
```

Hollow Inverted
Half Pyramid

Numeric Palindrome Equilateral Pyramid



Fancy Pattern #1

*****1*****

*****2*2*****

*****3*3*3*****

*****4*4*4*4*****

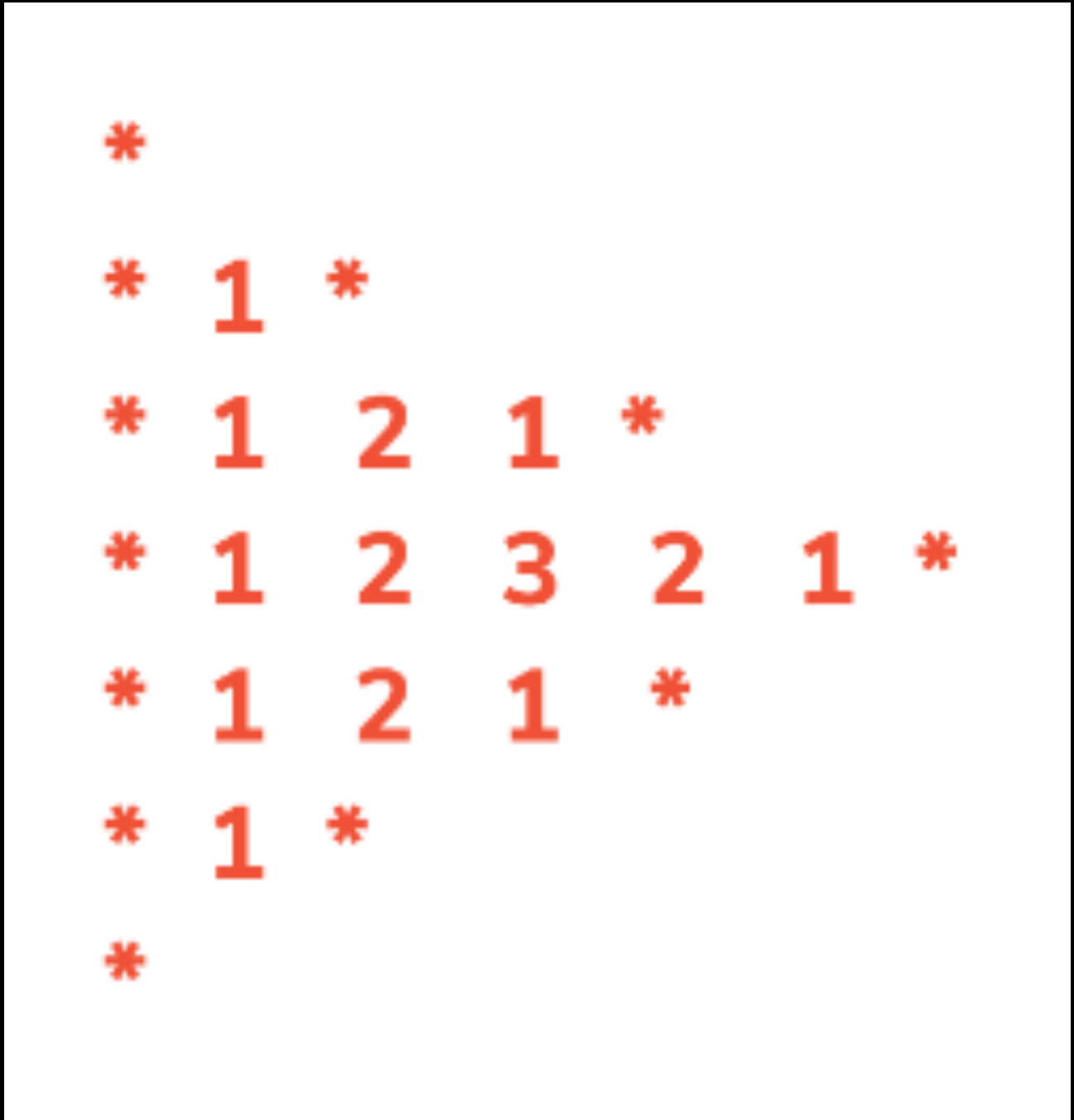
*****5*5*5*5*5*****

Solid Half Diamond



Solid Half
Diamond

Fancy Pattern #3



Fancy Pattern #2

1

2*3

4*5*6

7*8*9*10

7*8*9*10

4*5*6

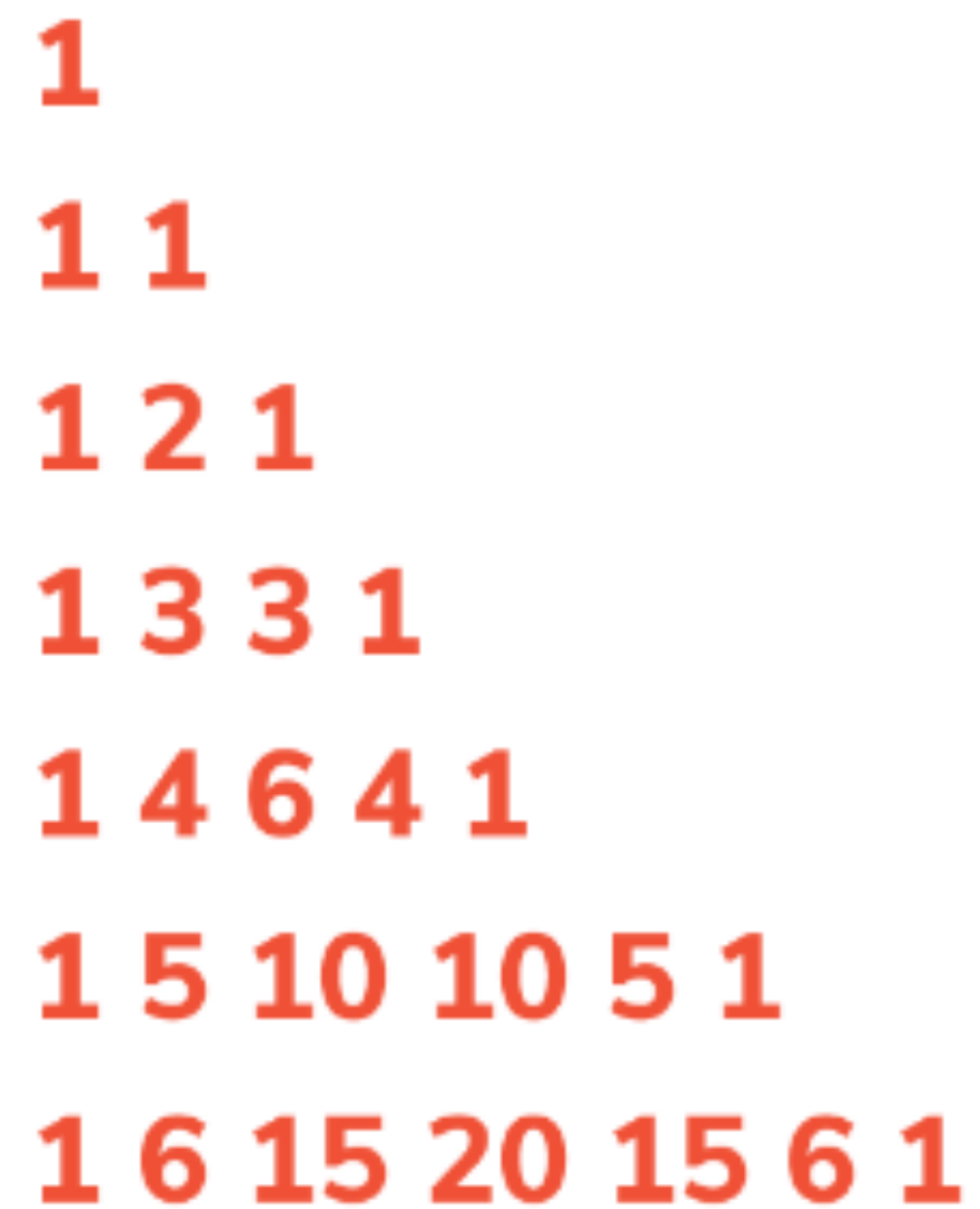
2*3

1

Floyd's Triangle Pattern

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
22 23 24 25 26 27 28
```

Pascal's Triangle Pattern



A Pascal's Triangle pattern with 7 rows, displayed on a white background. The numbers are in a red, monospace-style font. The triangle is right-aligned, with each row starting further to the left than the previous one. The values in each row are: Row 1: 1; Row 2: 1, 1; Row 3: 1, 2, 1; Row 4: 1, 3, 3, 1; Row 5: 1, 4, 6, 4, 1; Row 6: 1, 5, 10, 10, 5, 1; Row 7: 1, 6, 15, 20, 15, 6, 1.

```
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
1 5 10 10 5 1
1 6 15 20 15 6 1
```

Butterfly Pattern

