

Pattern 8 :

num = 5

```

  4 1
  3 1
  2 1
  1 1
  0 1
  
```

* * *

Pattern 7 :

num = 5

```

  0 1
  1 1
  2 1
  3 1
  4 1
  
```

* * *

int num = 13

o/p: YES

num = 20

o/p: NO.

0 1 1 2 3 5 8 13 21 34 55 89...

0 1 1 2 4 7 13 24 44 82...

q. num = 10.

0 1 1 2 3 5 8 13 21 34
a b c

Fibonacci sequence :

0 1 1 2 3 5 8 13 21 34 55 89...

o Fib no ?

```

int num = 10;
int a = 0;
int b = 1;
System.out.println(a + " " + b);
for (int i = 1; i <= num; i++) {
    int c = a + b;
    System.out.println(c);
    a = b;
    b = c;
}

```

0 1 1 2 3 5 8 13 21 34
a b c

a = 2
b = 2
c = 2

0 1 1 2