Numeric pattern by using Vedic Trick

The pattern looks like a mountain hill, and also each row will looks like a sub-hill.

1

1 2 1

1 2 3 2 1

1 2 3 4 3 2 1

1 2 3 4 5 4 3 2 1

For implementing this pattern, I used the number "**11**" property.

How this number "**11**" helps to implement this code….☺☺

Let's think "**out of the box**", for every row it is in increasing order as "**palindrome**" sequence.

1 * 1 ➔ 1

11 * 11 ➔ 121

111 * 111 ➔ 12321

1111 * 1111 ➔ 1234321

11111 * 11111 ➔ 123454321

. . .

. . .

if (row==1) – No hill

If (row>1) – A hill can be formed

For row == 2:

2

1 1

For row == 3:

3

2 2

1 1

For row == 4:

4

3 3

2 2

1 1

Finally all these sub-hills, will make an original hill.

Code implementation in python:

```
Length_of_the_hill = int(input("enter the hill height:"))
for i in range(1,Length_of_the_hill+1):
    print(str(" "*(Length_of_the_hill-i))+str(int("1"*i)*int("1"*i)))
```