NestedLoopChallenge.docx Haas

Below are two more patterns that you can produce with nested loops. The second one is challenging! Keep your code as simple as possible. Both loops will require the use of at least one additional variable.

Your program should prompt the user for how many rows they want to print. The output is printed with each row one number longer than the previous and the numbers increasing either horizontally or vertically.

**Example 1:**

Computer >> Enter number of rows

User>> *5*

Computer >>

Pattern 1:

1

2 3

4 5 6

7 8 9 10

11 12 13 14 15

Pattern 2:

1

2 6

3 7 10

4 8 11 13

5 9 12 14 15

**Example 2:**

Computer >> Enter number of rows

User>> 6

Computer >>

Pattern 1:

1

2 3

4 5 6

7 8 9 10

11 12 13 14 15

16 17 18 19 20 21

Pattern 2:

1

2 7

3 8 12

4 9 13 16

5 10 14 17 19

6 11 15 18 20 21

Show Haas the running program and save as LastNestedLoopChallenge.