

0 2 3 4 5  
 ① ~~~~~ 1  
 ② ~~~~~ 1 1  
 ③ ~ 1 2 1  
 ④ ~ 1 2 3 1  
 ⑤ 1 2 3 4 1

```

s=4
for i in range(1,6):
    for k in range(s):
        print(" ",end="")
    for j in range(1,i+1):
        if j==1 or j==i:
            print("1",end=' ')
        else:
            print(j,end=' ')
    print()
    s=s-1
  
```

47 18  
 90 a  
 94 a a  
 100 a b a  
 101 a b c a  
 101 a b c d a

```

s=4
for i in range(97,102):
    for k in range(s):
        print(" ",end="")
    for j in range(97,i+1):
        if j==97 or j==i:
            print("a",end=' ')
        else:
            print(chr(j),end=' ')
    s=s-1
    print()
  
```

### Example:

```

rows=int(input("How many rows?"))
s=rows
k=rows
for i in range(rows,0,-1):
    for x in range(s):
        print(" ",end="")
    for j in range(rows,i-1,-1):
        print(j,end="")
  
```

```

if i!=rows:
    for l in range(k,rows+1):
        print(l,end="")
    k=k-1
print()
s=s-1

```

## Output

How many rows?9

```

9
989
98789
9876789
987656789
98765456789
9876543456789
987654323456789
98765432123456789

```

## Example:

```

rows=int(input("How many rows?"))
s=rows
k=rows
for i in range(rows,1,-1):
    for x in range(s):
        print(" ",end="")
    for j in range(rows,i-1,-1):
        print(j,end="")
    if i!=rows:
        for l in range(k,rows+1):
            print(l,end="")
        k=k-1
    print()
    s=s-1

```

```

s=1
k=1
for i in range(1,rows+1):
    for x in range(s):
        print(" ",end="")

```

```

for j in range(rows,i-1,-1):
    print(j,end=")
for l in range(k+1,rows+1):
    print(l,end=")
k=k+1
print()
s=s+1

```

How many rows?5

```

5
545
54345
5432345
543212345
5432345
54345
545
5

```

```

rows=int(input("How many rows?"))
s=rows
k=97+rows-1
for i in range(97+rows-1,97,-1):
    for x in range(s):
        print(" ",end="")
    for j in range(97+rows-1,i-1,-1):
        print(chr(j),end=")
    if i!=97+rows-1:
        for l in range(k,97+rows):
            print(chr(l),end=")
        k=k-1
    print()
    s=s-1

```

```

s=1
k=97
for i in range(97,97+rows+1):
    for x in range(s):
        print(" ",end=")

```

```
for j in range(97+rows-1,i-1,-1):
    print(chr(j),end="")
for l in range(k+1,97+rows):
    print(chr(l),end="")
k=k+1
print()
s=s+1
```

How many rows?5

```
e
ede
edcde
edcbcd
edcbabcde
edcbcd
edcde
ede
e
```

<https://www.hackerrank.com/challenges/designer-door-mat/problem?isFullScreen=true>