

a-Z

October 10, 2024

1 a

```
[1]: rows=7
cols=7

for i in range(rows):
    for j in range(cols):
        if (
            (i==0 or i==5) and j!=0 and j<=4 or
            (i==3 and j!=0 and j<=4) or
            (j==5 and i!=0 and i<6) or
            (i==6 and j>5) or
            (j==0 and i>3 and i<6) or
            (j==0 and i==1)):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

```
* * * * *
*           *
           *
* * * * *
*           *
* * * * *
           *
```

2 b

```
[2]: rows=7
cols=6

for i in range(rows):
    for j in range(cols):
        if (
            (j==0) or
            ((i==3 or i==6) and j!=0 and j<5) or
```

```

        ((j==5) and i>3 and i<=5)):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()

```

```

*
*
*
* * * * *
*           *
*           *
* * * * *

```

3 c

```

[3]: rows=6
     cols=6
     for i in range(rows):
         for j in range(cols):
             if (
                 j==0 and i!=0 and i!=5 or
                 (i==0 or i==cols-1) and j>0):
                 print("*",end=' ')
             else:
                 print(" ",end=' ')
         print()

```

```

* * * * *
*
*
*
*
* * * * *

```

4 d

```

[4]: rows=7
     cols=6

     for i in range(rows):
         for j in range(cols):
             if (
                 (j==5) or
                 ((i==3 or i==6) and j!=0 and j<5) or
                 ((j==0) and i>3 and i<=5)):

```

```

        print("*",end=' ')
    else:
        print(" ",end=' ')
print()

```

```

        *
        *
        *
    * * * * *
*           *
*           *
* * * * *

```

5 e

```

[5]: rows=7
cols=7
for i in range(rows):
    for j in range(cols):
        if (
            (j==0 and i!=0 and i!=6) or
            ((i==0 or i==cols-1) and j>0 and j<5) or
            (i==rows//2 and j>0 and j<5) or
            (j==5 and i>0 and i<3)):
            print("*",end=' ')
        else:
            print(" ",end=' ')
print()

```

```

    * * * * *
*           *
*           *
* * * * *
*
*
    * * * * *

```

6 f

```

[6]: rows=7
cols=7
for i in range(rows):
    for j in range(cols):
        if (
            (j==cols//2 and i!=0) or
            (i==0 and j>3 and j<cols) or

```

```

        (i==cols//2 and j>0 and j<6)):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()

```

```

    * * *
  *
 *
* * * * *
 *
 *
 *

```

7 g

```

[7]: rows=7
     cols=6
     for i in range(rows):
         for j in range(cols):
             if (
                 (j==4 and i!=cols) or
                 (j==0 and i>0 and i<rows//2) or
                 ((i==0 or i==rows//2) and j>0 and j<4) or
                 (j==0 and i==cols-1) or
                 (i==rows-1 and j>0 and j<4)):
                 print("*",end=' ')
             else:
                 print(" ",end=' ')
     print()

```

```

    * * * * *
 *           *
 *           *
 * * * * *
           *
 *           *
 * * * *

```

8 h

```

[8]: rows=7
     cols=6
     for i in range(rows):
         for j in range(cols):
             if (

```

```

        (j==0) or
        (i==rows//2 and j<cols//2) or
        (j==cols/2 and i>rows//2)):
            print('*',end=' ')
    else:
        print(' ',end=' ')
print()

```

```

*
*
*
* * *
*   *
*   *
*   *

```

9 i

```

[9]: cols=6
rows=7
for i in range(rows):
    for j in range(cols):
        if (
            (j==cols//2 and i!=1)):
            print("*",end=' ')
        else:
            print(" ",end=" ")
    print()

```

```

*
*
*
*
*
*

```

10 j

```

[10]: cols=6
rows=8
for i in range(rows):
    for j in range(cols):
        if (
            (j==cols//2 and i!=1 and i!=rows-1) or
            (i==rows-1 and j>0 and j<cols//2) or

```

```

        (i==rows-2 and j==0)):
            print("*",end=' ')
        else:
            print(" ",end=" ")
    print()

```

```

*
*
*
*
*
*
*
*
*
*

```

11 k

```

[11]: rows=6
      cols=6
      for i in range(0,rows):
          for j in range(1,cols):
              if(
                  (j==2) or
                  ((i+j)==6 and j>2) or
                  (i==j and j>=3)
              ):
                  print("*",end=' ')
              else:
                  print(" ",end=' ')
          print()

```

```

*
*      *
*      *
*      *
*      *
*      *
*      *

```

12 l

```

[12]: cols=6
      rows=7
      for i in range(rows):
          for j in range(cols):
              if (
                  (j==cols//2)):

```

```

        print("*",end=' ')
    else:
        print(" ",end=" ")
print()

```

```

*
*
*
*
*
*
*

```

13 m

```

[13]: rows=5
      cols=8
      for i in range(rows):
          for j in range(cols):
              if (
                  (j==0 and i==0) or
                  (j==4 and i!=0 or j==cols-1 and i!=0) or
                  (i==0 and j==2) or
                  (i==0 and j==5) or
                  (i==0 and j==6) or
                  (i==0 and j==2) or
                  (i==0 and j==3) or
                  (j==1 and i>0)):
                  print("*",end=' ')
              else:
                  print(" ",end=' ')
          print()

```

```

*   * *   * *
*       *   *
*       *   *
*       *   *
*       *   *

```

14 n

```

[14]: rows=5
      cols=6
      for i in range(rows):
          for j in range(cols):
              if (

```

```

        (i==0 and j==0) or
        (j==1 and i>0) or
        (j==cols-1 and i!=0) or
        (i==0 and j>1 and j<cols-1)):
    print("*",end=' ')
else:
    print(" ",end=' ')
print()

```

```

*   * * *
*       *
*       *
*       *
*       *

```

15 o

```

[15]: rows=5
cols=5
for i in range(rows):
    for j in range(cols):
        if(
            (j==0 or j==cols-1) and i!=0 and i!=rows-1 or
            (i==0 or i==rows-1) and j>0 and j<cols-1
        ):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()

```

```

* * *
*       *
*       *
*       *
* * *

```

16 p

```

[16]: rows=7
cols=4

for i in range(rows):
    for j in range(cols):
        if(
            (j==0) and i!=0 or

```



```

        (i==0 and j<cols-1 ) or
        (i==rows//2 and j<cols-1) or
        (j==cols-1 and i>0 and i<rows//2)
    ):
        print("*",end=' ')
    else:
        print(" ",end=' ')
print()

```

```

* * *
*      *
*      *
* * *
*
*
*

```

17 q

```

[17]: rows=7
      cols=6
      for i in range(rows):
          for j in range(cols):
              if (
                  (j==4) or
                  (j==0 and i>0 and i<rows//2) or
                  ((i==0 or i==rows//2) and j>0 and j<4)):
                  print("*",end=' ')
              else:
                  print(" ",end=' ')
      print()

```

```

* * * *
*      *
*      *
* * * *
*
*
*

```

18 r

```

[18]: rows=5
      cols=6
      for i in range(rows):
          for j in range(cols):

```

```

        if (
            (j==1 and i!=0) or
            (i==0 and j==0) or
            (i==0 and j>1 and j<=3)):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()

```

```

*   * *
*
*
*
*

```

19 s

```

[19]: rows=7
      cols=6
      for i in range(rows):
          for j in range(cols):
              if(
                  (j==0 and i>0 and i<rows//2) or
                  (j==cols-1 and i>=(rows//2)+1 and i<rows-1) or
                  (i==rows//2 and j>0 and j<cols-1) or
                  (i==0 or i==rows-1) and j>0 and j<cols-1
              ):
                  print("*",end=' ')
              else:
                  print(" ",end=' ')
          print()

```

```

* * * *
*
*
* * * *
      *
      *
* * * *

```

19.0.1 t

```

[20]: rows=7
      cols=7
      for i in range(rows):
          for j in range(cols):

```

```

    if (
        (j==cols//2 and i!=rows-1) or
        (i==rows-1 and j>3 and j<cols) or
        (i==1 and j>1 and j<6
        )):
        print("*",end=' ')
    else:
        print(" ",end=' ')
print()

```

```

*
* * * *
*
*
*
*
*
* * *

```

20 u

```

[21]: rows=5
cols=6
for i in range(rows):
    for j in range(cols):
        if(
            (j==0 and i!=rows-1) or
            (j==cols-1) or
            (j==cols-2 and i==rows-2) or
            (i==rows-1 and j>0 and j<cols-2)

        ):
            print("*",end=' ')
        else:
            print(" ",end=' ')
print()

```

```

*      *
*      *
*      *
*      * *
* * * *

```

21 v

```
[22]: n=5
for i in range(n):
    for j in range(n):
        if j == i:
            print("*", end="")
        else:
            print(" ", end="")
    for j in range(n - 2, -1, -1):
        if j == i:
            print("*", end="")
        else:
            print(" ", end="")
    print()
```

```
*      *
*      *
*  *   *
* *   *
*
*      *
```

22 w

```
[23]: rows=6
cols=6
for i in range(1,rows):
    for j in range(1,cols):
        if(
            (j==1 and i!=rows-1) or
            (j==cols-1 and i!=rows-1) or
            (i==j and i>2) or
            ((i+j==6) and i>3)
        ):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

```
*      *
*      *
*  *   *
* *   * *
*      *
```

23 x

```
[24]: rows=6
cols=6
for i in range(1,rows):
    for j in range(1,cols):
        if (
            (i==j or i+j==6) and (i<4 or i>3)
        ):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

```
*      *
 *     *
  *
 *     *
*      *
```

24 y

```
[25]: rows=6
cols=6
for i in range(1,rows):
    for j in range(1,cols):
        if (
            (i==j and i<4) or
            (i+j==6 and i>0)
        ):
            print("*",end=' ')
        else:
            print(" ",end=' ')
    print()
```

```
*      *
 *     *
  *
 *
 *
```

25 z

```
[26]: rows=6
cols=7
for i in range(1,rows):
```

```

for j in range(1,cols):
    if(
        (i+j==7) or
        (i==1 and j>1 and j<cols-1) or
        (i==rows-1 and j>2)
    ):
        print("*",end=' ')
    else:
        print(" ",end=' ')
print()

```

```

* * * * *
      *
    *
  *
* * * * *

```

[]: