Make a Matrix based on Conditions

You will be given two positive integers m and n. You have to make a list of lists (which can be visualised as a matrix) of size m*n, that is m sublists (rows), with each sublists having n integers (columns). The matrix should be such that it should have 1 on the border and 0 everywhere else. See sample input and output for more clarification.

Input: Two integers separated by a space

Output: A list of lists of size m*n printed like matrix as shown in the sample output.

Sample input: 4,5

Sample output:

[1, 1, 1, 1, 1]

[1, 0, 0, 0, 1]

[1, 0, 0, 0, 1]

[1, 1, 1, 1, 1]

Sample input: 3,3

Sample output:

[1, 1, 1]

[1, 0, 1]

[1, 1, 1]

Sample input: 3,2

Sample output:

[1, 1]

[1, 1]

[1, 1]

```python
# Output as LIST

n=int(input())
m=int(input())

for i in range(n):
  x=[]
  for j in range(m):
    if i==0 or i==n-1 or j==0 or j==m-1 :
     x.append(1)
    else:
      x.append(0)
  print(x)
```

```
4
5
[1, 1, 1, 1, 1]
[1, 0, 0, 0, 1]
[1, 0, 0, 0, 1]
[1, 1, 1, 1, 1]
```

```python
# Output as String

n=int(input())
m=int(input())

for i in range(n):
  print('')
  for j in range(m):
    if i==0 or i==n-1 or j==0 or j==m-1 :
     print(1 , end = '')
    else:
      print(0 , end = '')
```

```
4
5

11111
10001
10001
11111
```

```python
# Output as LIST

n=int(input())
m=int(input())

for i in range(n):
  x=[]
  for j in range(m):
    if i==0 or i==n-1 or j==0 or j==m-1 :
     x.append(1)
    else:
      x.append(0)
  print(x)
```

```
3
3
[1, 1, 1]
[1, 0, 1]
[1, 1, 1]
```

```python
# Output as String

n=int(input())
m=int(input())

for i in range(n):
  print('')
  for j in range(m):
    if i==0 or i==n-1 or j==0 or j==m-1 :
     print(1 , end = '')
    else:
      print(0 , end = '')
```

```
3
3

111
101
111
```

```python
# Output as LIST

n=int(input())
m=int(input())

for i in range(n):
  x=[]
  for j in range(m):
    if i==0 or i==n-1 or j==0 or j==m-1 :
     x.append(1)
    else:
      x.append(0)
  print(x)
```

```
3
2
[1, 1]
[1, 1]
[1, 1]
```

```python
# Output as String

n=int(input())
m=int(input())

for i in range(n):
  print('')
  for j in range(m):
    if i==0 or i==n-1 or j==0 or j==m-1 :
     print(1 , end = '')
    else:
      print(0 , end = '')
```

```
3
2

11
11
11
```