

Morphological Operations: Dilation



You are provided with the following image B :

```
0000000000
0111111100
0000111100
0000111100
0001111100
0000111100
0001100000
0000000000
0000000000
```

The structuring element S is given below, and its origin is the middle pixel.

```
111
111
111
```

After B is dilated with the structuring element S , what is the number of pixels marked **1** obtained in the image? Enter the appropriate integer in the text box below.

Alternatively, you may submit a program which computes and displays the required integer.