Morphological Operations: Opening

You are provided 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
```

What is the **total number of pixels marked 1** in the image obtained after B is opened with the structuring element S? Only enter the integer, or a program to compute it.