Image Segmentation #1

Consider the following binary image where 0 is the background, and 1 represents a pixel on an object.

```
000110001010
111011110001
111010010010
100000000100
```

If we segment this image on a model based on simple **4 pixel connectivity**, how many 4-connected objects do you obtain? Enter the appropriate integer in the text box below.

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