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1 This algorithm converts an image into a negative

Algorithm 1 Negative

Require:

an image, $image$ with channels, c in RGB format

Ensure: The result, r , should be within the range

$0 \leq r \leq 255$

```
1: procedure NEGATIVE(image)
2:   for  $x = 0, \text{width}, y = 0, \text{height}$  do
3:      $c \leftarrow \text{pixel}(x, y)$ 
4:      $c_{0..N} \leftarrow 255 - c_{0..N}$ 
5:      $\text{pixel}(x, y) \leftarrow c$ 
6:   end for
7: end procedure
```
