



Dr Michael Scott

## 1 This algorithm mirrors an image around its middle.

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### Algorithm 1 Mirroring

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**Require:**

the height of the image,  $0 \leq h$

the width of the image,  $0 \leq w$

- 1:  $ht \leftarrow \frac{h}{2}$
  - 2: **for**  $y = 0, y < ht, x = 0, x < w$  **do**
  - 3:      $i \leftarrow h - y - 1$
  - 4:      $\text{pixel}(x, i) \leftarrow \text{pixel}(x, y)$
  - 5: **end for**
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