> y must be padded with zeros such that: Note: 42 = 4 * 4 Zeros such to $\frac{2a+1}{a}$ $\frac{2a+1}{a}$ $\frac{2a+1}{a}$ i.e. at each step, $\frac{4a+1}{a}$ $\frac{a}{a}$ $\frac{a}{a}$ ie at each step, to form y should be padded for conv.

Once we obtain Y_i thus way,
the image must be padded from $f \in \mathbb{R}^{H \times W}$ to $f' \in \mathbb{R}^{(H+2a) \times (W+2a)}$