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**Thinning**

Shrink the lena.bmp to 64x64 and change it into binary image with threshold 128, and calculate the Yokoi number, according to the result, relabel the pixel into “p” if the pixel is 1 and it has 4-connectivity neighbor who is 1 too, else change it into “q”, at last, caculate the p-q image by Yokoi method, if the number of pixel is 1, turn it into black.

Repeat the previous steps until nothing changed.

