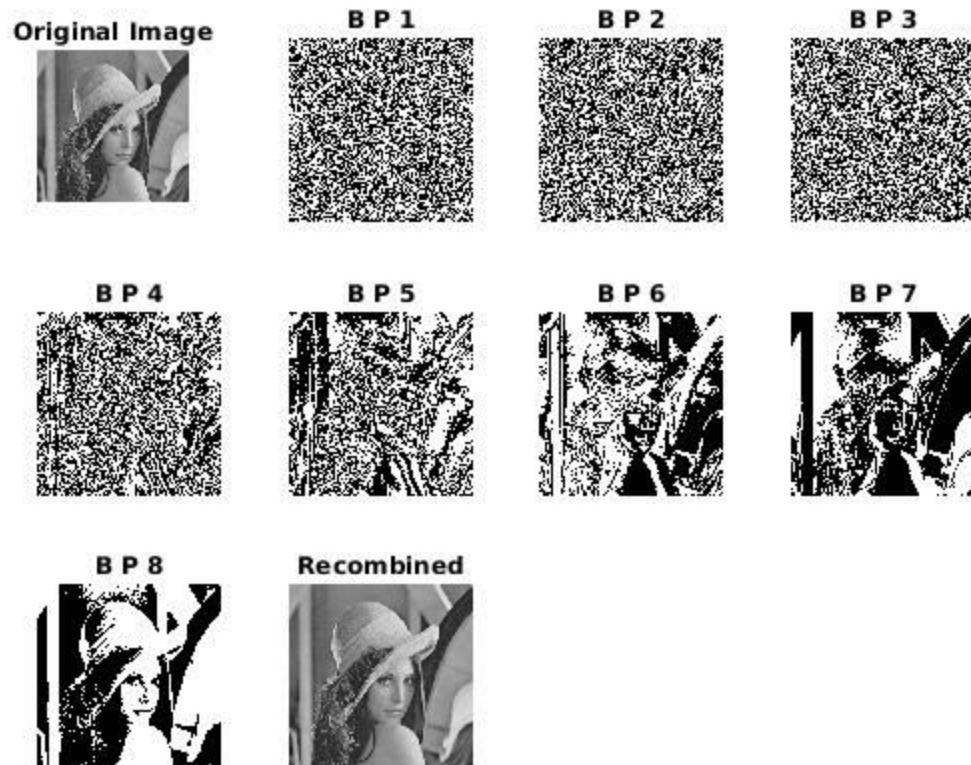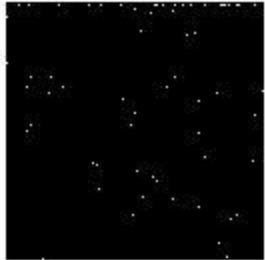Question 1.

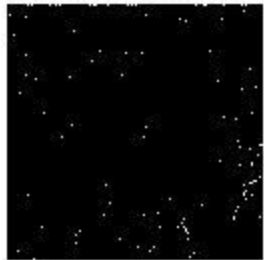**Dialation of Bitplane 1** **Dialation of Bitplane 3** **Dialation of Bitplane 7**

Erosion of Bitplane 1 **Erosion of Bitplane 3** **Erosion of Bitplane 7**

Original Image

B P 1

B P 2

B P 3

B P 4

B P 5

B P 6

B P 7

B P 8

Recombined

B1 Dilate

B3 Dilate