

## Question Number 7

## Make Thy Sypher004

Make your own version of Sypher004

- $\bullet\,$  Substitution-Layer: Use the Sbox you generated earlier.
- Permutation-Layer: Generate a random permutation layer.
- $\bullet\,$  Key-Addition-Layer remains same.
- $\bullet$  Draw the picture of two rounds of your Sypher004 in the  ${\bf notebook}.$

Solution. Solution is in the Notebook