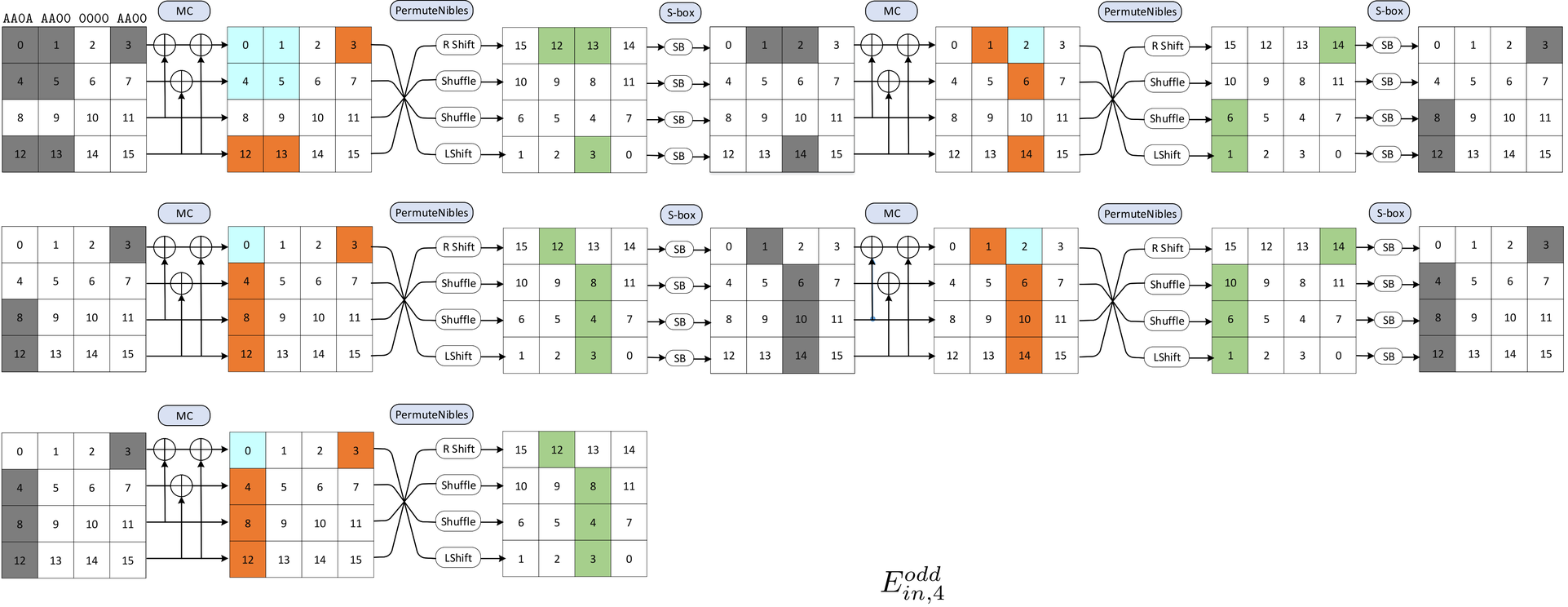
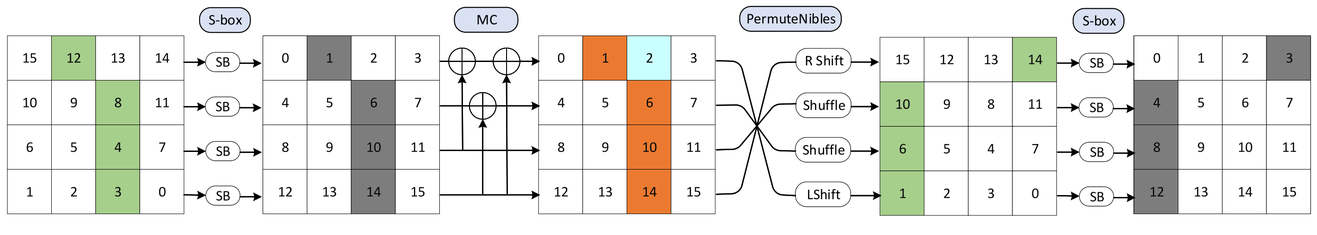
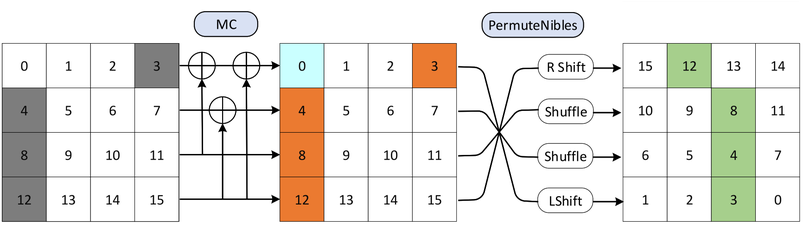


$E^{odd}_{in,4}$





$E^{odd}_{m,2}$

$$p^{in} = \begin{pmatrix} p^{in}_1 & \cdots & p^{in}_{100} \end{pmatrix}$$

$$p^{m} = \begin{pmatrix} p^{m}_{1,1} & \cdots & p^{m}_{1,100} \\ \vdots & \ddots & \vdots \\ p^{m}_{100,1} & \cdots & p^{m}_{100,100} \end{pmatrix}$$

$E^{odd}_{out,5}$

$$p^{out} = \begin{pmatrix} p^{out}_1 \\ \vdots \\ p^{out}_{100} \end{pmatrix}$$

$$p^{tot} = p^{in} \times p^{m} \times p^{out}$$