

$$\begin{array}{ccccc}
 & 1 & 2 & \dots & \boldsymbol{D} \\
 \begin{array}{c} 1 \\ 2 \\ \vdots \\ \boldsymbol{SN} \end{array} & \begin{array}{c} 0 \\ 1 \\ \vdots \\ 0 \end{array} & \begin{array}{c} 1 \\ 0 \\ \vdots \\ 1 \end{array} & \begin{array}{c} \dots \\ \dots \\ \vdots \\ \dots \end{array} & \begin{array}{c} 0 \\ 1 \\ \vdots \\ 0 \end{array}
 \end{array}$$