

$$S = \begin{bmatrix}
0 & \cdots & 0 & \overset{S^{j_1}}{\color{red}p_1} & * & \cdots & * & \overset{S^{j_2}}{*} & * & \cdots & * & \overset{S^{j_3}}{*} & * & \cdots & \overset{S^{j_r}}{*} & * & \cdots & * \\
0 & \cdots & 0 & 0 & 0 & \cdots & 0 & \color{red}p_2 & * & \cdots & * & * & * & \cdots & * & * & \cdots & * \\
0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & \color{red}p_3 & * & \cdots & * & * & \cdots & * \\
\cdot & & & & & \cdot & & & \cdot & & & & \cdot & & & & \cdot & \\
0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & \color{red}p_r & * & \cdots & * \\
0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & \cdots & 0 \\
& \cdot & & & & & \cdot & & \cdot & & & & \cdot & & & & \cdot & \\
0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & 0 & \cdots & 0
\end{bmatrix}$$

In rosso, sono cerchiati i *pivot*