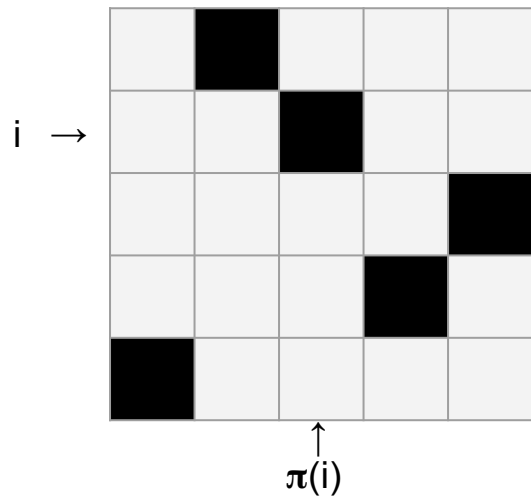
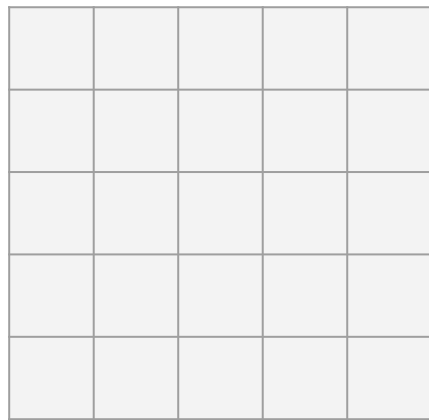


P_0 : obtains punctured matrix



$\Delta[i]$ is set as XOR of elements of row i and column $\pi(i)$.

P_1 : obtains full matrix



Each $a[i]$ is set as XOR of elements of column i
Each $b[j]$ is set as XOR of elements of row j