

Matrica-zadatak 16

$$\begin{aligned}
 A_{5,5} &= \begin{pmatrix} 10*b & 1 & 1 & 1 & 1 \\ b-1 & 10*b & 1 & 1 & 1 \\ b-2 & b-1 & 10*b & 1 & 1 \\ b-3 & b-2 & b-1 & 10*b & 1 \\ b-4 & b-3 & b-2 & b-1 & 10*b \end{pmatrix} = \\
 &\begin{pmatrix} 10*b & 0 & 0 & 0 & 0 \\ 0 & 10*b & 0 & 0 & 0 \\ 0 & 0 & 10*b & 0 & 0 \\ 0 & 0 & 0 & 10*b & 0 \\ 0 & 0 & 0 & 0 & 10*b \end{pmatrix} + \\
 &\begin{pmatrix} 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} + \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ b-1 & 0 & 0 & 0 & 0 \\ 0 & b-1 & 0 & 0 & 0 \\ 0 & 0 & b-1 & 0 & 0 \\ 0 & 0 & 0 & b-1 & 0 \end{pmatrix} + \\
 &\begin{pmatrix} 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} + \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ b-2 & 0 & 0 & 0 & 0 \\ 0 & b-2 & 0 & 0 & 0 \\ 0 & 0 & b-2 & 0 & 0 \end{pmatrix} + \\
 &\begin{pmatrix} 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} + \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ b-3 & 0 & 0 & 0 & 0 \\ 0 & b-3 & 0 & 0 & 0 \end{pmatrix} + \\
 &\begin{pmatrix} 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} + \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ b-4 & 0 & 0 & 0 & 0 \end{pmatrix}
 \end{aligned}$$