Peg = 
$$\begin{pmatrix} -2 & 0 & 1 \\ 1 & 0 & 0 \\ 0 & -1 & -1 \end{pmatrix}$$

\*\*emple:  $\begin{bmatrix} M \end{bmatrix}_e = \begin{pmatrix} 2 \\ -1 \\ 3 \end{pmatrix} = \begin{bmatrix} M \end{bmatrix}_g$  se trouve den résolvant

(Peg |  $[M]_e$ ).

illustration: 
$$[\Pi]_{\mathbf{B}} = \begin{pmatrix} 1 \\ 2 \\ 3 \end{pmatrix}$$

$$= \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} + 2 \begin{pmatrix} 0 & 1 \\ 0 & 1 \end{pmatrix} + 3 \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix} = \begin{pmatrix} 1 & 5 \\ 0 & 3 \end{pmatrix} \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$

$$= 1 \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} + 5 \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix} + 3 \begin{pmatrix} 0 & 0 \\ 0 & 1 \end{pmatrix}$$

$$= 1 \begin{pmatrix} 1 & 0 \\ 0 & 0 \end{pmatrix} + 5 \begin{pmatrix} 0 & 1 \\ 0 & 0 \end{pmatrix} + 3 \begin{pmatrix} 0 & 0 \\ 0 & 1 \end{pmatrix}$$