Divide Matrix A into Matrix Bland [N]

Divide Column Vector [C] into [CB] and [CN],

 $B = \begin{bmatrix} 2 & 3 \\ -2 & 1 \end{bmatrix} \quad N = \begin{bmatrix} -2 & 1 & 2 \\ 0 & 2 & 3 \end{bmatrix} \quad B = \begin{bmatrix} 4 \\ 2 \end{bmatrix}$

 $C = \begin{bmatrix} 4 \\ 2 \\ 1 \end{bmatrix}$ $C_{\beta} = \begin{bmatrix} 4 \\ 2 \end{bmatrix}$ $C_{\beta} = \begin{bmatrix} 4 \\ 4 \end{bmatrix}$ $C_{\gamma} = \begin{bmatrix} 4 \\ 4 \end{bmatrix}$