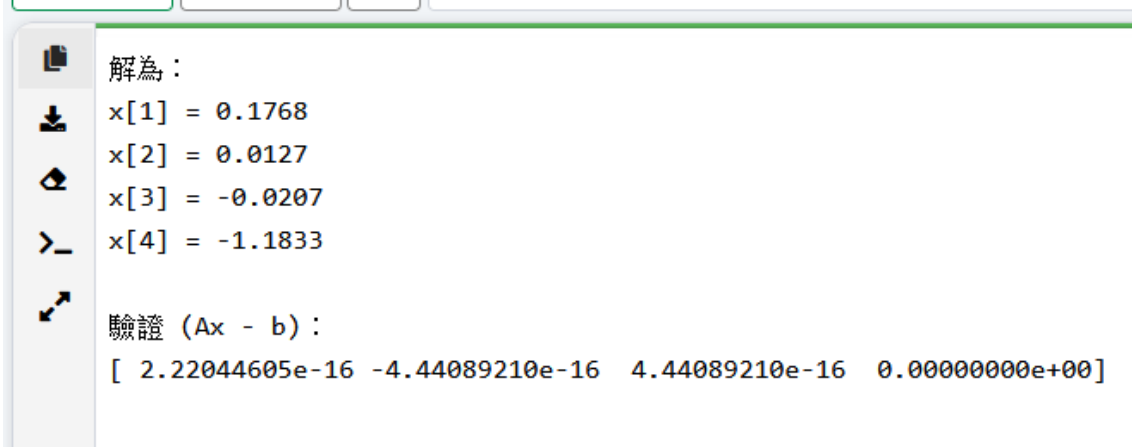


6-1



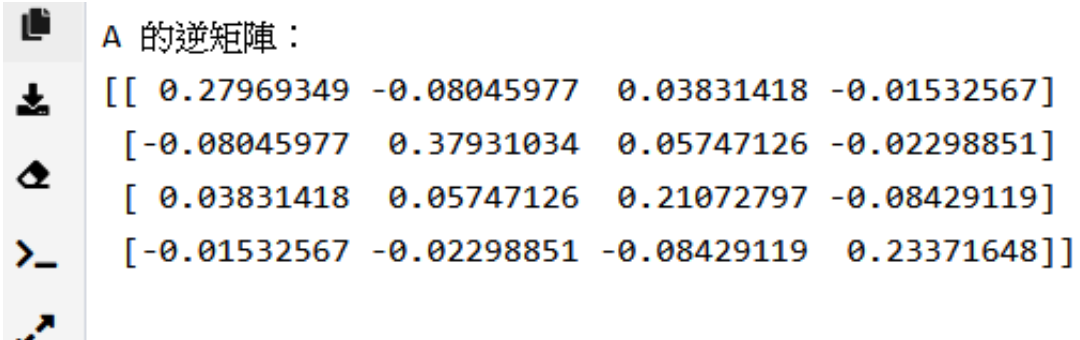
解為：

$x[1] = 0.1768$
 $x[2] = 0.0127$
 $x[3] = -0.0207$
 $x[4] = -1.1833$

驗證 ($Ax - b$):

[2.22044605e-16 -4.44089210e-16 4.44089210e-16 0.00000000e+00]

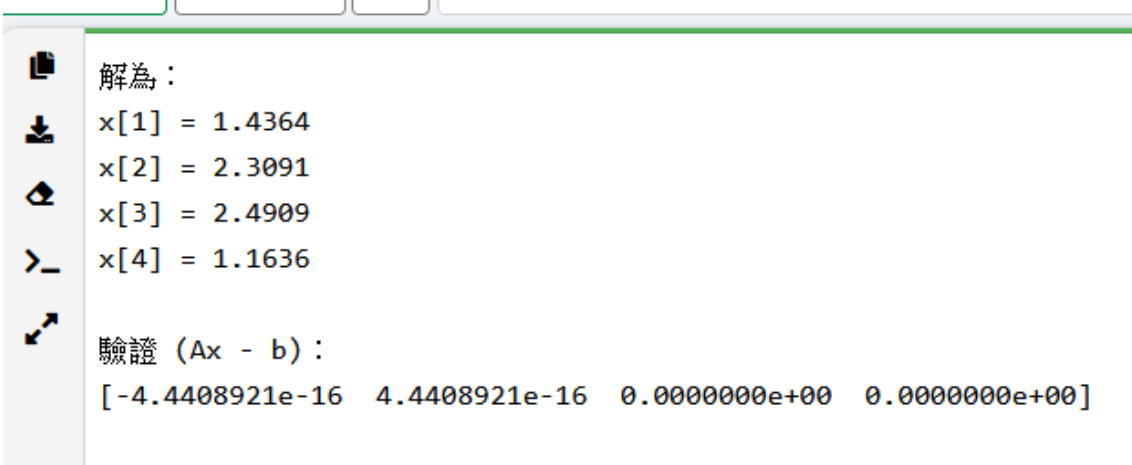
6-2



A 的逆矩陣：

$\begin{bmatrix} 0.27969349 & -0.08045977 & 0.03831418 & -0.01532567 \\ -0.08045977 & 0.37931034 & 0.05747126 & -0.02298851 \\ 0.03831418 & 0.05747126 & 0.21072797 & -0.08429119 \\ -0.01532567 & -0.02298851 & -0.08429119 & 0.23371648 \end{bmatrix}$

6-3



解為：

$x[1] = 1.4364$
 $x[2] = 2.3091$
 $x[3] = 2.4909$
 $x[4] = 1.1636$

驗證 ($Ax - b$):

[-4.4408921e-16 4.4408921e-16 0.0000000e+00 0.0000000e+00]