5

SEE '5a.py'

→ AT THE 8TH ITERATION,
THE DIFFERENCE BETWEEN
VALUES BETWEEN ITERATIONS
REACHES $< 1 \times 10^{-5}$
FOR THE EIGENVALUE

FOR THE EIGENVECTOR,
IT DOESN'T CONVERGE
UNTIL THE 11TH ITERATION

→ AT THE 8TH ITERATION
THE EIGEN VECTOR
ERROR IS

$$\sim \begin{bmatrix} 0.54159 - 0.54152 \\ 0.29165 - 0.29139 \\ 0.78843 - 0.78858 \end{bmatrix} = \begin{bmatrix} 0.00007 \\ 0.00026 \\ 0.00015 \end{bmatrix}$$