

Eigenvalue of a Matrix I

Find the eigenvalues for the following matrix:

$$A = \begin{pmatrix} 1 & -3 & 3 \\ 3 & -5 & 3 \\ 6 & -6 & 4 \end{pmatrix}.$$

Then print the smallest eigenvalue on the first line and the largest eigenvalue on the second line. For example:

```
5
6
```

Note: You must print exactly two distinct values.