1 numbers=left def fun(A, m=50): from scipy.linalg import qr for k in range(m): Q, R = qr(A) A = R @ Q return A.diagonal()

Algorithm 1: Unknown Python code

1. Briefly describe what each line of the code does (please do not write into the pseudocode above).

2. Which algorithm is implemented?

3. What is its purpose?

Solution: