Linear Algebra Foundations #5 - The 100th Power of a Matrix

Given the following matrix A:

```
    [1  1  0]
A = [0  1  0]
    [0  0  1]
```

We compute that

A^{100} =

```
[A B 0]
[0 C 0]
[0 D E]
```

In the text box below, enter the values of the integers A, B, C, D, E each in a new line. Do not leave any extra leading or trailing spaces.