Sum Until Unit

Given an integer n, sum its digits until the result is a single digit.

Input Format

an integer n

Output Format

return a single digit integer. i.e. $0 \leq$ answer ≤ 9

Constraints

- $0 \leq n \leq 10^{12}$

Sample Input

```
n=1234560091077
```

Sample Output

```
9
```

Explanation

- $1+2+3+4+5+6+0+0+9+1+0+7+7=45$
- $4+5=9$ (because the result is a single digit)

Implementation

Goal: Fill in the following function:

```
def sum_until_unit(n: int) -> int:
    ...
    return ...
if __name__ == "__main__":
    # You can test anything inside this block and can send it to grader
    # The grader will use only the function that you have implemented
    # !!! DO NOT write anything outside this block
    print(sum_until_unit(1234560091077))
```

Hint

- `[int(a) for a in str(n)]`