

2224. Minimum Number of Operations to Convert Time

Description

You are given two strings `current` and `correct` representing two **24-hour times**.

24-hour times are formatted as `"HH:MM"`, where `HH` is between `00` and `23`, and `MM` is between `00` and `59`. The earliest 24-hour time is `00:00`, and the latest is `23:59`.

In one operation you can increase the time `current` by `1`, `5`, `15`, or `60` minutes. You can perform this operation **any** number of times.

Return *the minimum number of operations needed to convert* `current` *to* `correct`.

Example 1:

Input: `current = "02:30"`, `correct = "04:35"`

Output: 3

Explanation:

We can convert `current` to `correct` in 3 operations as follows:

- Add 60 minutes to `current`. `current` becomes `"03:30"`.
- Add 60 minutes to `current`. `current` becomes `"04:30"`.
- Add 5 minutes to `current`. `current` becomes `"04:35"`.

It can be proven that it is not possible to convert `current` to `correct` in fewer than 3 operations.

Example 2:

Input: `current = "11:00"`, `correct = "11:01"`

Output: 1

Explanation: We only have to add one minute to `current`, so the minimum number of operations needed is 1.

Constraints:

- `current` and `correct` are in the format `"HH:MM"`
- `current` \leq `correct`

