
Chase**X70576_en**

We represent using a string made up only of the characters '+' and '=' the progress of a runner in a race every second. '+' means that the runner advances one position, '=' means the runner doesn't advance. In each second the runner advances or remains still.

Design a function `persecucion(m1, m2, dini)` that, given two str *m1* and *m2* representing the progress of two runners in a race, and an int *dini* > 0 indicating the starting advantage of runner 2 over runner 1, returns how many seconds it takes for the first runner to catch the second one, THAT IS, BE AT ZERO DISTANCE. If the runner doesn't succeed the result will -1.

Sample session

```
>>> persecucion('+=+++++', '++++=+=+=+', 1)
5
>>> persecucion('+=+++++++=', '++++=+=+=+', 17)
-1
```

Problem information

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