
Replacement of zeros

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Write a function *replacement(f, g)* that provided two integer lists *f* and *g* returns the list obtained after replacing the zeros in list *f* with values in *g*. First zero has to be replaced with the first number in *g*, the second zero with the second number in *g* and so on, until there are no more zeros in *f* or there are no more available numbers in *g*. When values in *g* have been exhausted no more replacements are done. Lists *f* and *g* do not have to change.

Sample session

```
>>> replacement([1, -1, 0, 2, 0], [3, -2, 1])
[1, -1, 3, 2, -2]
>>> replacement([1, -1, 0, 2, 0], [5])
[1, -1, 5, 2, 0]
>>> replacement([1, -1, 0, 2, 0], [0])
[1, -1, 0, 2, 0]
>>> replacement([1, -1, 0, 2, 0], [])
[1, -1, 0, 2, 0]
>>> f, g = [0, 0, -1, 0, 0], [2, 5, 3]
>>> replacement(f, g)
[2, 5, -1, 3, 0]
>>> f == [0, 0, -1, 0, 0] and g == [2, 5, 3]
True
```

Problem information

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