

```
class ZigzagIterator(object):

def __init__(self, v1, v2):
    self.vals = (v[i] for i in itertools.count() for v in (v1, v2) if i < len(v))
    self.n = len(v1) + len(v2)

def next(self):
    self.n -= 1
    return next(self.vals)

def hasNext(self):
    return self.n > 0
```

Solution 3

With a generator function and a down counter:

python constant-space

Comments: 17

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