Collection
Permutations

Description
The number of fixed points of a permutation.

References
[1] Triangle $T(n,k)$ of rencontres numbers (number of permutations of $n$ elements with $k$ fixed points). [www.oeis.org/A008290](http://www.oeis.org/A008290)

[2] List of permutations of 1,2,3,...,$n$ for $n=1,2,3,...$, in lexicographic order. [www.oeis.org/A030298](http://www.oeis.org/A030298)

[3] Take the permutations of lengths 1, 2, 3, ... arranged lexicographically, and replace each permutation by the number of its fixed points. [www.oeis.org/A170942](http://www.oeis.org/A170942)

[4] [www.findstat.org/Permutations#Statistics](http://www.findstat.org/Permutations#Statistics)

Code

```python
def statistic(x):
    return x.number_of_fixed_points()
```