


```
10         return min(diff)
11     else:
        return max_elem + 1
```

Analysis summary

The solution obtained perfect score.

Analysis ?

Detected time complexity: **$O(N)$ or $O(N * \log(N))$**

expand all	Example tests	
▶ example1	first example test	✓ OK
▶ example2	second example test	✓ OK
▶ example3	third example test	✓ OK
expand all	Correctness tests	
▶ extreme_single	a single element	✓ OK
▶ simple	simple test	✓ OK
▶ extreme_min_max_value	minimal and maximal values	✓ OK
▶ positive_only	shuffled sequence of 0...100 and then 102...200	✓ OK
▶ negative_only	shuffled sequence -100 ... -1	✓ OK
expand all	Performance tests	
▶ medium	chaotic sequences length=10005 (with minus)	✓ OK
▶ large_1	chaotic + sequence 1, 2, ..., 40000 (without minus)	✓ OK
▶ large_2	shuffled sequence 1, 2, ..., 100000 (without minus)	✓ OK
▶ large_3	chaotic + many -1, 1, 2, 3 (with minus)	✓ OK

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