

Description

Solution

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Python solution using set (30ms)



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★ 21

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```
class Solution(object):
    def findMissingRanges(self, nums, lower, upper):
        """
        :type nums: List[int]
        :type lower: int
        :type upper: int
        :rtype: List[str]
        """
        start = [lower] + sorted(set(map(lambda x: x+1, nums)) - set(nums))
        end = sorted(set(map(lambda x: x-1, nums)) - set(nums)) + [upper]
        ret = []
        for s, e in zip(start, end):
            if s < e:
                ret.append('{}->{}'.format(s, e))
            elif s == e:
                ret.append('{}'.format(s))
        return ret
```

Increase numbers by 1 to find all the starts and decrease numbers by 1 to find all the ends. Then add lower and upper boundaries to starts and ends. If start < end then add as 'start->end', and if start == end then add as 'start(or end)'.