```
Def nearest_corner_seat(S, A):
    Bruce_index = A.index(S)
    Gaps = [i for i, seat in enumerate(A) if seat == '-']
    Corner_seats = set()
    For gap_index in gaps:
        If gap_index > 0:
            Corner_seats.add(gap_index – 1)
        If gap_index < len(A) – 1:
            Corner_seats.add(gap_index + 1)
    Min_distance = float('inf')
    For corner_index in corner_seats:
        Min_distance = min(min_distance, abs(bruce_index – corner_index))
S = input().strip()
A = input().split()
Result = nearest_corner_seat(S, A)
Print(result)
```