55. Check If All 1's Are at Least Length K Places Away

Given an binary array nums and an integer k, return true if all 1's are at least k places away from each other, otherwise return false.

Program:

```
import heapq


def kthSmallest(mat, k):
    heap = [(sum(row[0] for row in mat), [0] * len(mat))]


    for _ in range(k):
        s, indexes = heapq.heappop(heap)
        for i, idx in enumerate(indexes):
            if idx + 1 < len(mat[i]):
                heapq.heappush(heap, (s - mat[i][idx] + mat[i][idx + 1], indexes[:i] + [idx + 1] + indexes[i+1:]))


    return s


# Example
mat = [[1,3,11],[2,4,6]]
k = 5
print(kthSmallest(mat, k))  # Output: 7
```

output:

```
True
False

=== Code Execution Successful ===
```

Time complexity:O(n)