Problem #1461: Check if a string contains all binary codes of size k

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<https://leetcode.com/problems/check-if-a-string-contains-all-binary-codes-of-size-k/>

My Solution:

Runtime beats 82.28%

1. Initialize an empty set to hold all binary strings called bin\_set.

2. Consider substring of length k from string s starting with index 0 and going upto index at k from the last index. Add the substring to bin\_set

3. After iterating through all substrings in s (with a sliding window of size k), check whether the length of the set is equal to 2 ^ k. If so, return True; otherwise return False.

class Solution:

def hasAllCodes(self, s: str, k: int) -> bool:

bin\_set = set()

for i in range(len(s) - k +1):

bin\_set.add(s[i:i+k])

return len(bin\_set) == 2 \*\* k