



Good morning! Here's your coding interview problem for today.

This problem was recently asked by Google.

Given a list of numbers and a number `k`, return whether any two numbers from the list add up to `k`.

For example, given `[10, 15, 3, 7]` and `k` of `17`, return true since `10 + 7` is `17`.

Bonus: Can you do this in one pass?

list $S = [n_0, n_1, n_2, \dots]$

```
for n in S:
    if (k - n) in S \ n:
        return True
return False
```

↓
we can simplify
further, we only need
to check n 's successors.