## Pair-Sum-to-target

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## 0.0.1 Problem statement

Given an input\_list and a target, return the pair of indices in the list that holds the values which sum to the target. For example,

```
input_list = [1, 5, 9, 7] and target = 8, the answer would be [0, 3]
```

**Note** 1. The best solution takes O(n) time. *This means that you cannot traverse the given list more than once.* **Hint - Think of an additional data structure that you should use here.** 2. You can assume that the list does not have any duplicates.

**Show Solution**