Ingresso Frontend Interview Coding Task

This short test contains two questions. The first question should take 5-10 minutes, and the second question should take 15-25 minutes.

Question 1

Removing duplicate elements from an array.

Write a function `removeDuplicates(A)` that takes an array `A` and returns a array of all the elements of `A`, but where each element only appears once.

```
removeDuplicates([1,2,2,3,5,5,5,5,5,6,7]); // [1,2,3,5,6,7]
removeDuplicates(['a','a','b','b','c','c']); // ['a','b','c']
removeDuplicates(['foo', 'foo', 'bar']); // ['foo', 'bar']
```

Question 2

"Tag" objects in an array whose properties have the same sum

Write a function `tagObjects(O)` that, give an array `O` of objects with numerical properties, returns a modified array where objects whose properties have the same sum are tagged (give and additional property

`object.tag = <tag>`) with the same letter. Use incremental letter of the alphabet to tag objects with the same sum. Each object will always be paired sumwise with at least one other object.

```
tagObjects([
  { a: 1, b: 2 },
  { a: 3 }
]);
// returns [
//  { a: 1, b: 2, tag: 'A' },
//  { a: 3, tag: 'A'}
// ];
```