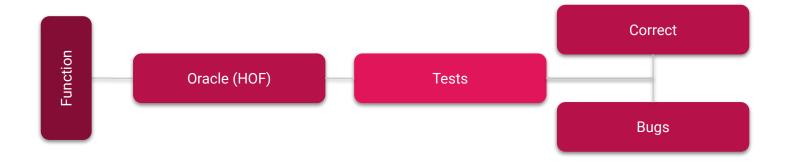


Used when a problem has **more than one** right answer Steps to Property-Based Testing:

- 1. Start with a valid input to your problem
- 2. Run the algorithm on that input
- 3. Check that the result has all necessary characteristics



Exercise: Permutations



A function **genArray**(n: number): number[][] is supposed to generate an n × n array of numbers such that each row and column is a permutation of the numbers from 0 to n-1.

Write an oracle that accepts the function genArray as input.

Use higher-order functions when appropriate. Try to write your implementation in O(n²).

With the left over time we'll go over exam questions that you all found difficult.

Suggestion: Q3 or Q4, but we can go over any you want.