## Problem

QUESTION 1: Alice has some cards with numbers written on them. She arranges the cards in decreasing order, and lays them out face down in a sequence on a table. She challenges Bob to pick out the card containing a given number by turning over as few cards as possible. Write a function to help Bob locate the card.



1. State the problem clearly. Identify the input & output formats.

We need to write the program to find the position of given number in a list of number arranged in decreasing order. We also need to minimize the number of times we access elements from the list.

Input:

1. Cards : A list of numbers stored in decreasing order e.g. [13,11,12,15,16]
2. Query: A number whose position in array is to be determined e.g. 7

Output: The position of query in the list cards.