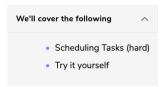




# Problem Challenge 2



# Scheduling Tasks (hard) #

You are given a list of tasks that need to be run, in any order, on a server. Each task will take one CPU interval to execute but once a task has finished, it has a cooling period during which it can't be run again. If the cooling period for all tasks is 'K' intervals, find the minimum number of CPU intervals that the server needs to finish all tasks.

If at any time the server can't execute any task then it must stay idle.

## Example 1:

```
Explanation: a \rightarrow c \rightarrow b \rightarrow a \rightarrow c \rightarrow idle \rightarrow a
```

## Example 2:

```
Input: [a, b, a], K=3
Output: 5
Explanation: a -> b -> idle -> idle -> a
```

# Try it yourself

Try solving this question here:

```
Python3
                                   JS JS
   👙 Java
                                                    ⊚ C++
                  java.util.*;
         class TaskScheduler {
            public static int scheduleTasks(char[] tasks, int k) {
           public static void main(String[] args) {
   char[] tasks = new char[] { 'a', 'a', 'a', 'b', 'c', 'c' };
   System.out.println("Minimum intervals needed to execute all tasks: " + TaskScheduler.scheduleTasks(ta
              tasks = new char[] { 'a', 'b', 'a' };
System.out.println("Minimum intervals needed to execute all tasks: " + TaskScheduler.scheduleTasks(tasks)
    Run
                                                                                                                          Save Reset []
                                                                                                                                            Next →
 ← Back
Solution Review: Problem Challenge 1
                                                                                                                 Solution Review: Problem Challenge 2
                                                                                                                                ✓ Mark as Completed
                                                                                                             Properties (1) Report an Issue (2) Ask a Question
```