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12 13 Les rabin to constant bout l' sol has

materies that the monte of index [1] and

In this Problem 5 mountains are given and we need to find the of it took on even. So, we take input a as a text file. In but Program, I take a imput and out put file when inthe input file it will corrier. Then by readline() we take the integer and find how many number are those. Then In a fon loop we do readline() that total times. Input the loop we do readline() so that in every abordion it can come up to a new number. Then we give one if condition when will tell if it will write the following output and findly ove close the limput and output files.

7(2)

In this Phoblem they read line () we see how any total inputs one there wither int a for loop one find of did intended lines and them I split that him then per that I string. Got one of that I string.

in if coe elist we signs +, -,1,\* and See if that made her at index [2] if if matches then the injumbor of index [1] and [3] and completed calculation under that sign and finally written of the output of les po with boil of the control with file it coil only read. Here my tesk coas to get the best core

Sometion  $\Theta(n)$ . In the code of contaminating the character of the arrival triality in the character of the contamination of the contamin cheanet to fake. to break the loop. South Austrum bost one Secrenio The array to small and the line inner loop will trun any once or which messil breards in O(n) time becomplexity. solo so plant book

(3) (b) [

In this code I splited the lines to get
the JDS and the marks and is by using
a for loop a I fant instanted thrown in two
lists. Then I need a modified version of Solveting

to get a bester time complexity. And we can first the output as desired by using some if and else condition and souting 2 hot) and a time.

(4)

In this task I we bubble sond two Armes to organize department time based on the critarian that mentioned in the question. In the First stage the drains name are somted lexicographically & If the names were some then time was sonted. So in this code density are a sontel by names and then if the name coes some then the time in the second sont Its botten to mention I materie and took out the train name, destination and time as a list in a list. so it becomes easy to track the Sundring,