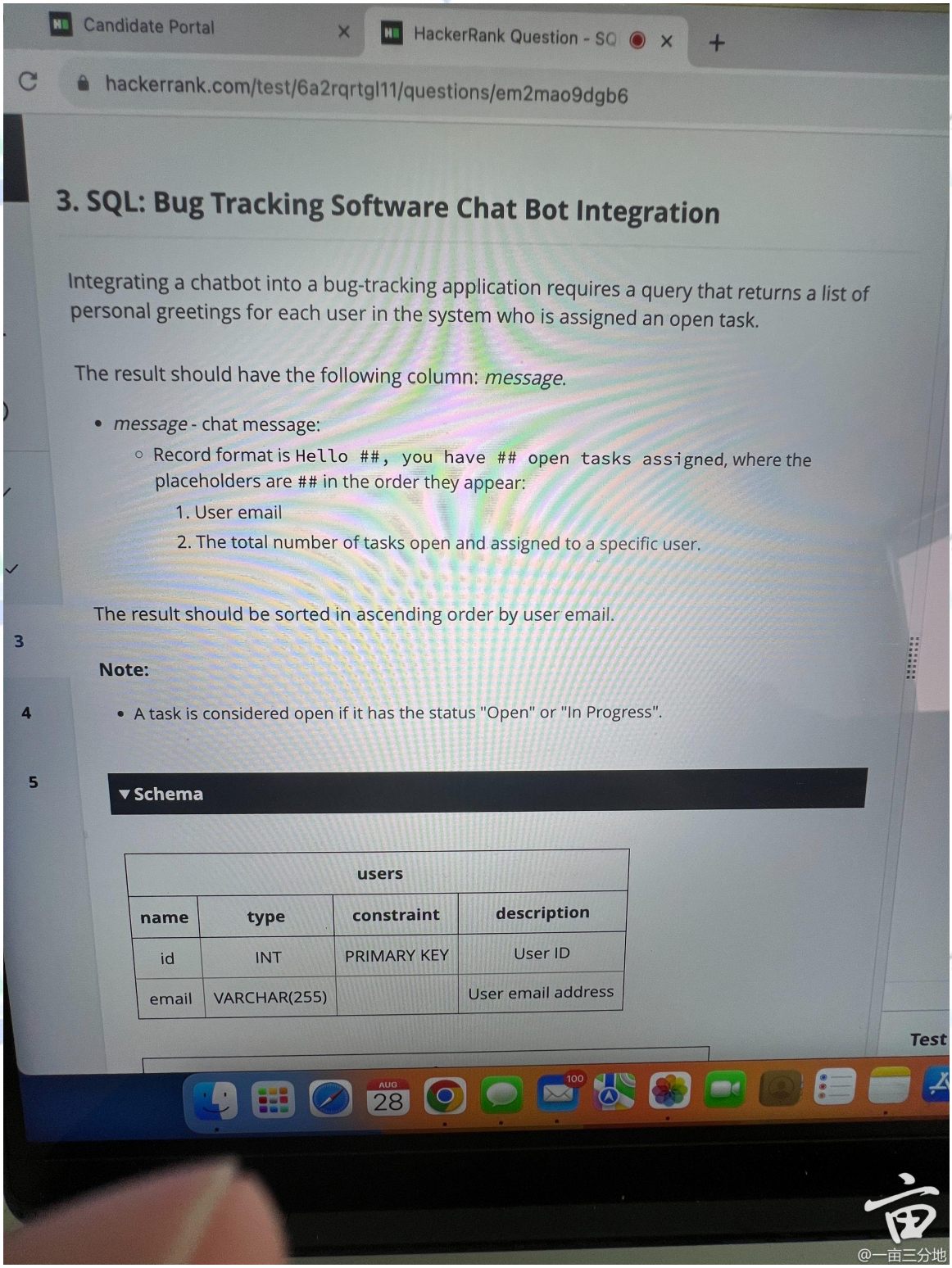
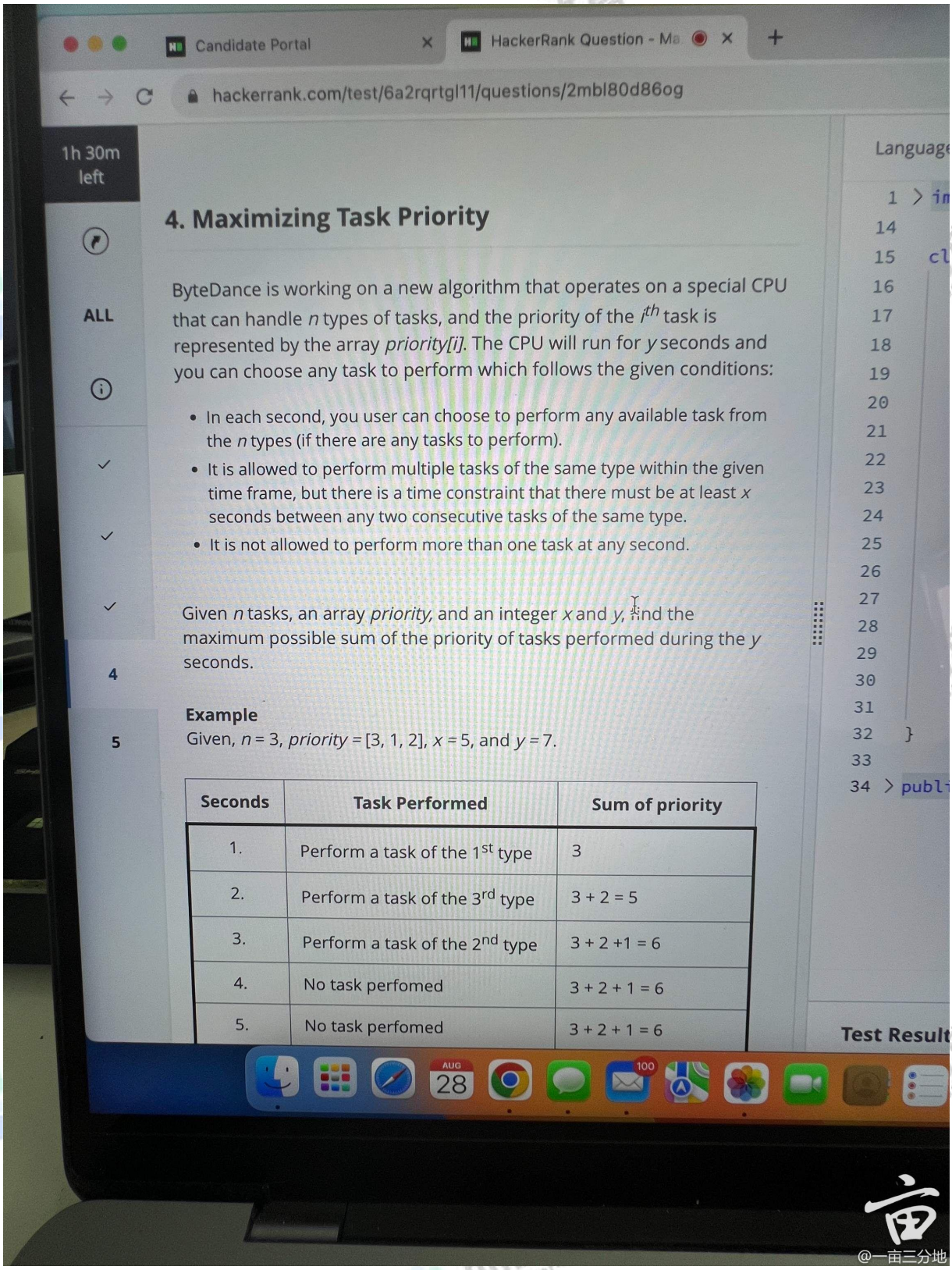
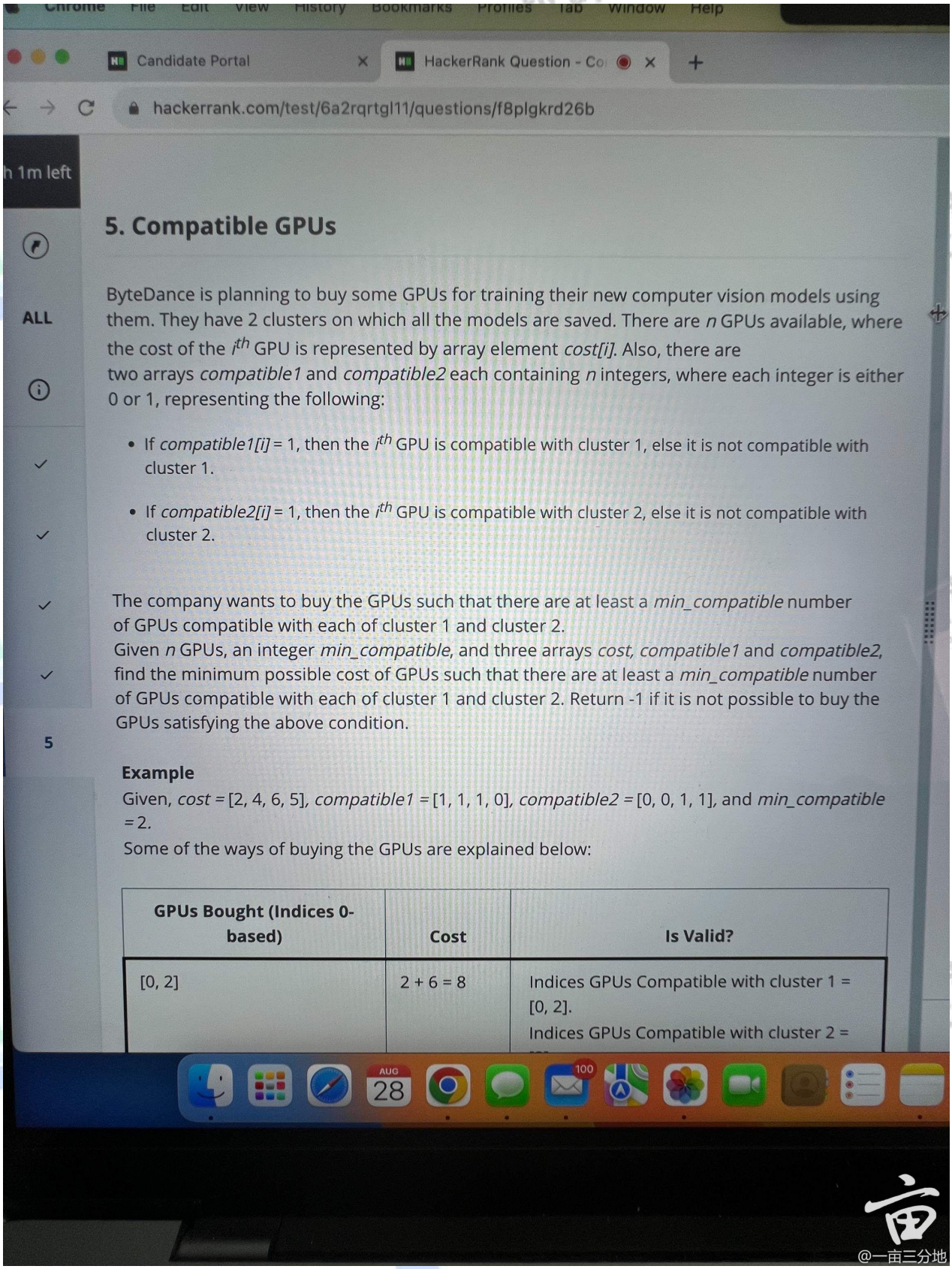
Tiktok - Software Engineer Intern - OA

总共五道题：2 道选择题 + 1 道 SQL + 2 道算法题




Candidate Portal
HackerRank Question - Ma
hackerrank.com/test/6a2rqrtgl11/questions/2mbl80d86og
1h 30m left
ALL
4
5
4. Maximizing Task Priority
ByteDance is working on a new algorithm that operates on a special CPU that can handle n types of tasks, and the priority of the i^th task is represented by the array priority[i]. The CPU will run for y seconds and you can choose any task to perform which follows the given conditions:
• In each second, you user can choose to perform any available task from the n types (if there are any tasks to perform).
• It is allowed to perform multiple tasks of the same type within the given time frame, but there is a time constraint that there must be at least x seconds between any two consecutive tasks of the same type.
• It is not allowed to perform more than one task at any second.
Given n tasks, an array priority, and an integer x and y, find the maximum possible sum of the priority of tasks performed during the y seconds.
Example
Given, n = 3, priority = [3, 1, 2], x = 5, and y = 7.
Seconds | Task Performed | Sum of priority
1. | Perform a task of the 1st type | 3
2. | Perform a task of the 3rd type | 3 + 2 = 5
3. | Perform a task of the 2nd type | 3 + 2 +1 = 6
4. | No task perfomed | 3 + 2 + 1 = 6
5. | No task perfomed | 3 + 2 + 1 = 6
Language
Test Result
@一亩三分地



Example 是 return2+5+6