Grough Kick Start 2020(A) - Allocation.	
Opened: 29 JAN 2022 Knowledge Management	
Reg. Date: 2 FEB 2022 Reg ID: CS[KS / 01 Type: Implementation	M
Topic: Google Kick Start Competition 2020 (A)	
Round (A) - Topic	
Allocation"	
Discipline of learning: Computer Science	
, Data Structure and Algorithms	
Pre 2 . Algorithms	
Regulet C. Data Structure (lutiarray)	
· Programming (Python 3.x)	
Content:	
* Thu kind of "knowledge" registration, will merge into the sub-directory.	

Kick Start 2022 Round A Competition

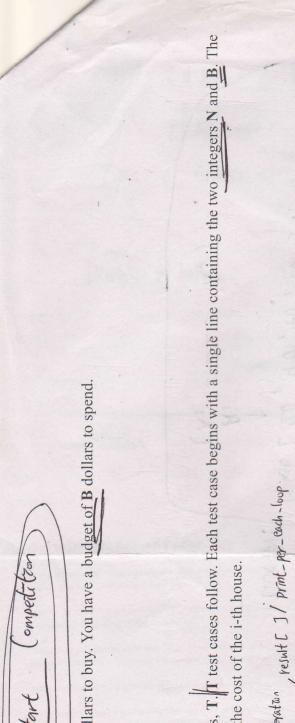
In this question, participants should determine how many "houses" can buy within a given budget. User should input their serval test cases, then how many houses are on market and how much budget they get.

In order to solve this problem in greedy algorithm and put it more simply. After the user input, all prices of the house and budget, sort the prices array from lowest to highest and turn it into an array of the queue.

In the main program of each test case, if the budget is greater than the first indexed item in the sorted queue, the item will dequeue, and deduct the budget, the of the brought house will increase by 1, to indicate "the house was brought".

After the above step was done, repeat the above step until you reach out of budget.

If the budget is less than the first indexed item of the queue, that meant you do not have enough budget to buy any house further, even the current possible cheapest house. The loop will end here, and print out the quantities of brought houses at each test case.



:: y, where x is the test case number (starting from 1) and y is the maximum number of houses you can buy.

while i

end loop i preme territe (\$ < Sorted([A])) Select house A [4] . hrngth => 5 (213/416/5/76)) · length = (ort (453)

if (\$ > ATI)

print-sesult ();

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