

Binary Search Symbol Table.

1. Implement the following operations using Binary Search Symbol Table.

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|-------------|--------------|--------------|----------|------------|
| a. contains | b. insert | c. min | d. max | e. size |
| f. select | g. deleteMin | h. deleteMax | i. floor | j. ceiling |

Input Format:

- The first line of the input contains the number of **T** test cases.
- For each test case:
- The first line will be the number of operations (**N**) and then followed by **N** lines.
 - For each line, there would be two elements. The first element will be the operation that should be performed on the symbol table, the second element would be the optional. Check for the sample input.

Output Format:

- Print the output for each of the operation that you perform on the Symbol Table. For insert print the entire symbol table. Check for the sample output.

Constraints:

- $1 \leq T \leq 10$. (Test Cases)

Sample Input:

```
1
10
contains hello
insert hello 5
min
max
select 1
deleteMin
deleteMin
deleteMax
floor hello
ceiling hello
```

Sample Output:

```
false
hello
hello
hello
called select() with invalid argument: 1
Symbol table underflow error
Symbol table underflow error
Symbol table underflow error
null
null
```