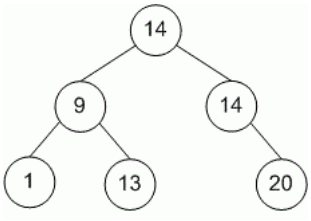
Sum of Left Leaves

Given an array of integers. Create a Binary Search Tree from these numbers. If the inserted value equals to the current node, insert it to the **right** subtree.

Write method **SumLeft** that returns the sum of all left leaves in a tree.



Write the code according to the next interface:

```
class TreeNode
{
public:
  int val;
  TreeNode *left;
  TreeNode *right;
  TreeNode(int x) : val(x), left(NULL), right(NULL) {}
};

class Tree
{
public:
  TreeNode *head;
  Tree() : head(NULL) {};
  void Insert(int val); // Вставка числа val в Бинарное Дерево Поиска
  int SumLeft(void); // Вернуть сумму всех левых листов в дереве
};
```

You can create (use) additional methods if needed.

Input

The first line contains number **n** (**1** ≤ **n** ≤ **100**). The second line contains **n** integers.

Output

Create the Binary Search Tree from input data. Print the sum of all left leaves in a tree. If the tree does not contain left leaves, print **0**.

Time limit **1** second

Memory limit **128** MiB

Input example #1

```
6
14 9 1 14 20 13
```

Output example #1

```
1
```

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Source C++

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