**Question:**

You are an astronaut navigating through dense asteroid fields on your journey to the Andromeda galaxy. Your map represents a binary tree. Mission control said to find the safe path, the sum of energy signatures denoted by the node values. Your task is to write a **recursive** function **left\_energy\_signature(root)** that takes the root of a binary tree and returns the sum of all nodes that have **only a left child** and that left child is a **leaf node.**

| **Sample Input** | **Sample Output** |
| --- | --- |
|  | Node(5): Two childs, rejected  **Node(7):** Only left child,left child is leaf, **Accepted.**  Node(3): No left child, rejected Node(9): two childs, rejected  **Node(6):** Only left child,left child is leaf, **Accepted.**  **Returns,**  Sum = 7 + 6  = **13** |

**Question:**

You are an astronaut navigating through dense asteroid fields on your journey to the Triangulum Galaxy. Your map represents a binary tree. Mission control said to find the safe path, the sum of energy signatures denoted by the node values. Your task is to write a **recursive** function **right\_energy\_signature(root)** that takes the root of a binary tree and returns the sum of all nodes that have **only a right child** and that right child is a **leaf node.**

| **Sample Input** | **Sample Output** |
| --- | --- |
|  | Node(5): Two childs, rejected  **Node(9):**Only right child,right child is leaf, **Accepted.**  Node(6): No right child, rejected Node(7): Two childs, rejected  **Node(2):**Only right child,right child is leaf,**Accepted.**  **Returns,**  Sum = 9 + 2  = **11** |