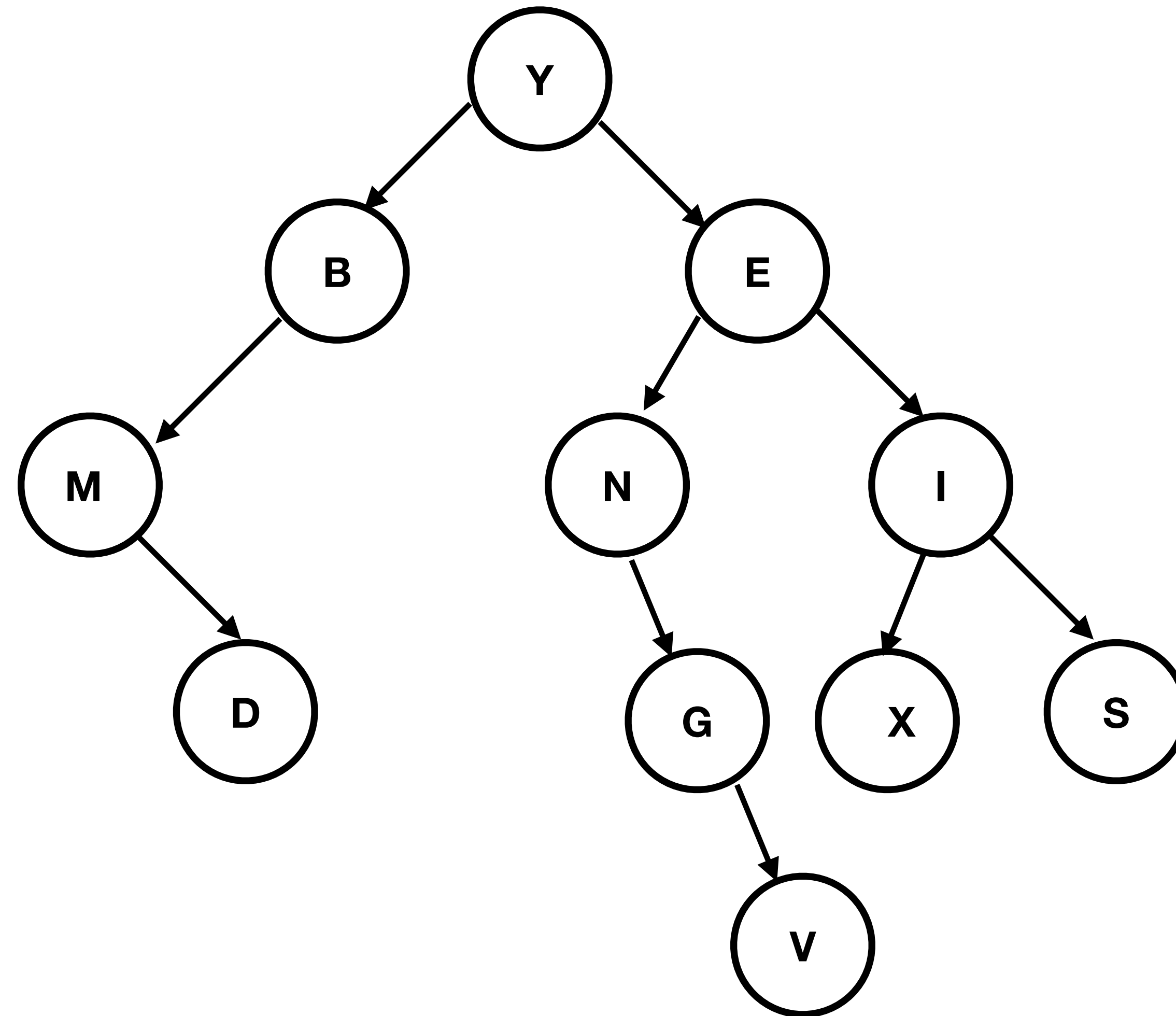


Quiz 9 Solution

For the tree shown below the function longestPath should return the string
YENGV



Quiz 9 Solution

```
private String longestPath(Node r) {  
    //if the r == null return the empty string  
    //otherwise return a string of the chars in the longest  
    //path from the r to a leaf  
    if (r == null) return "";  
    String x = longestPath(r.left);  
    String y = longestPath(r.right);  
    if (x.length() > y.length()) return r.data + x;  
    return r.data+y;  
}
```