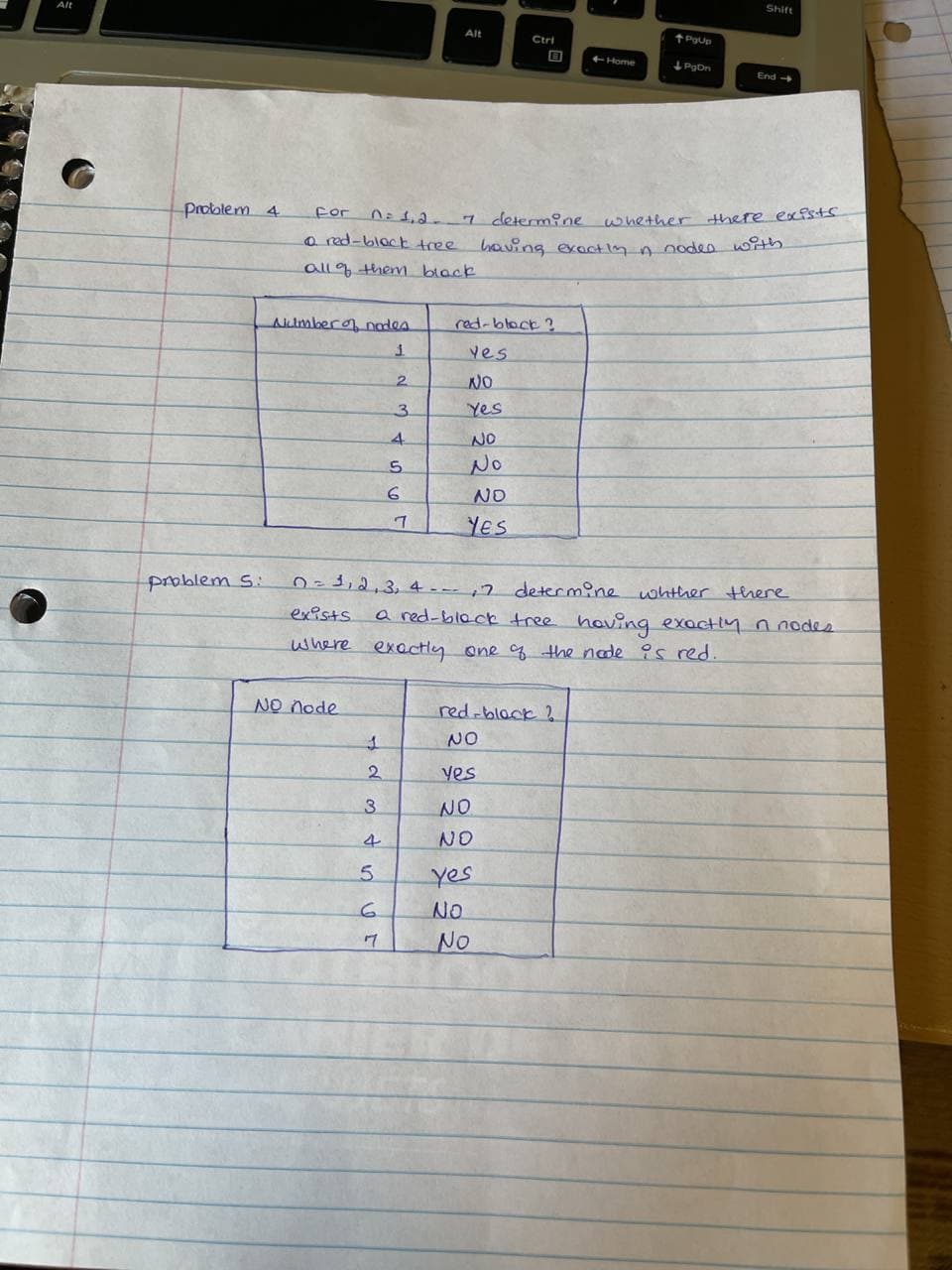


O(logn)





**yes**

