TATU BCGDAN CTI-EN 3.1

1. Worst case: O(n)

2. Hode min-node (Node root) !

Node curr = root;

while (curr-) left;

curr = curr-) left;

return our > key;

3. lyt subtree: 300 right subtree: 400

preorder: lyt-root-right => 300 inorder: root-lyt-right => 0 postorder: lyt-right-root => 700

5. 5 2 7 6 10

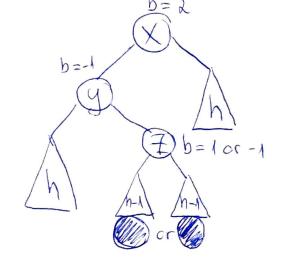
max height: 3(if h strarts from 0)
4(if h starts from 1)
depending on implementation

```
6.
   Before
   Insert "rocketed"
                                            Insert
                    *~~0~0~X~0~0+0~d~x
                                OR
```

· depending on implementation of stop

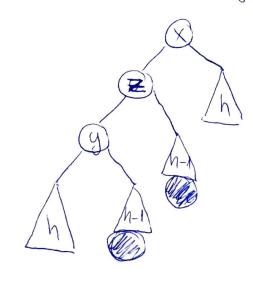
19/18/33 += 3=> 2 < K < 5 7. Insert 9: Insert 8: 89 Jnsert 7: [78] Jusert 6: [6]7/8/9] Insert 5: 1516178191 Insert 4: before split: [4/5/6/7/8/9] after split: Insert 3: 16 Insert 2: 16 Jusest 1: 6 3 4 5

4.



LEFT-RIGHT BOUBLE ROTATION

after left rotation (y and z)



after right votation (x and z)

