

Compitino 2 - 2023

Calcolare ricorsivamente se tutti gli elementi di A sono presenti in B (nello stesso ordine)

$A = \{0, 1\}$
 $B = \{3, 4, 0, -1\}$ } TRUE

inserimento ordinato in BST

albero vuoto \rightarrow e2 albero = nuovo nodo

```
void ord_insert(bst **pptr, int val){
    if((*pptr) == NULL){
        (*pptr) = new_node_bst(val);
        return;
    }

    if((*pptr) -> value >= val)
        ord_insert(&((*pptr) -> left), val);
    else
        ord_insert(&((*pptr) -> right), val);
}
```

```
bst *bst_t = NULL;
```

```
print_rec(bst_t);
```

```
1 ord_insert(&bst_t, 5);
2 ord_insert(&bst_t, 3);
3 ord_insert(&bst_t, 7);
4 ord_insert(&bst_t, 1);
5 ord_insert(&bst_t, 4);
6 ord_insert(&bst_t, 7);
7 ord_insert(&bst_t, 8);
8 ord_insert(&bst_t, 6);
```

```
print_rec(bst_t);
```

1(5) $\rightarrow (*pptr) = \text{NULL}$



2(3) $\rightarrow (*pptr) \neq \text{NULL}$

3 < 5



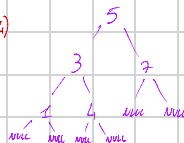
3(7) 7 > 5



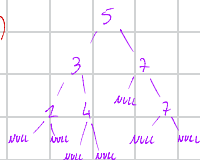
4(1)



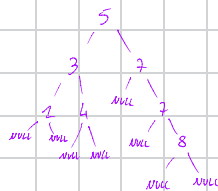
5(4)



6(7)



7(8)



8(6)

