Leonardo de Abreu Schmidt



### Main

Nodo \*nodo5 = create(5);

Nodo \*nodo2 = create(2);

Nodo \*nodo1 = create(1);

Nodo \*nodo8 = create(8);

Nodo \*nodo4 = create(4);

nodo5 - > esq = nodo2;

 $nodo2 \rightarrow esq = nodo1;$ 

 $nodo5 \rightarrow dir = nodo8;$ 

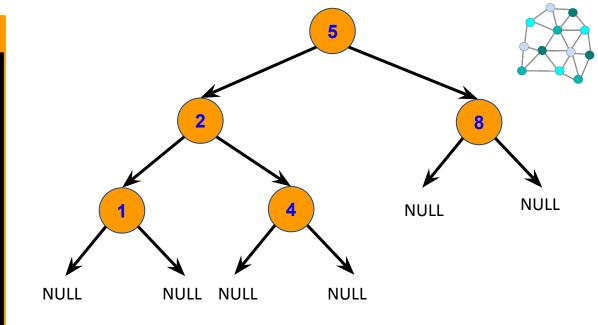
nodo2 -> dir = nodo4;

imprimir(nodo5);



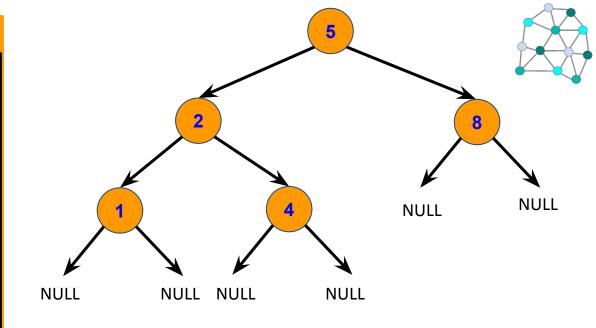
#### Main

```
Nodo *nodo5 = create(5);
Nodo *nodo2 = create(2);
Nodo *nodo1 = create(1);
Nodo *nodo8 = create(8);
Nodo *nodo4 = create(4);
nodo5 - > esq = nodo2;
nodo2 -> esq = nodo1;
nodo5->dir = nodo8;
nodo2 -> dir = nodo4;
imprimir(nodo5);
```



#### Main

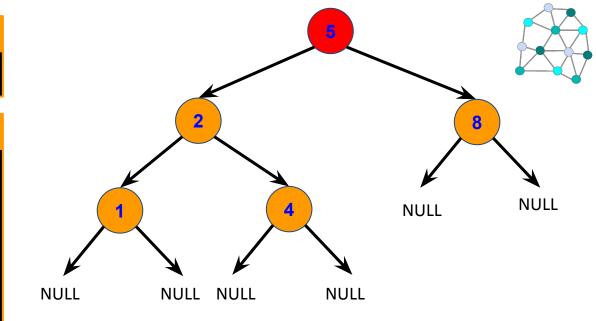
```
Nodo *nodo5 = create(5);
Nodo *nodo2 = create(2);
Nodo *nodo1 = create(1);
Nodo *nodo8 = create(8);
Nodo *nodo4 = create(4);
nodo5 -> esq = nodo2;
nodo2 -> esq = nodo1;
nodo5->dir = nodo8;
nodo2 -> dir = nodo4;
imprimir(nodo5);
```



```
Main
```

```
imprimir(nodo5);
```

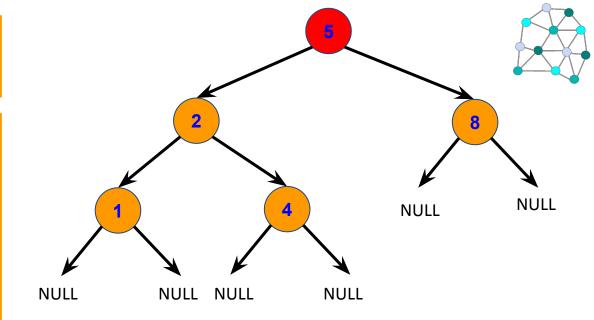
```
if (n==NULL)
    return;
imprimir (n->esq);
printf("\n%d",n->valor);
imprimir (n->dir);
```



```
Main
```

```
imprimir(nodo5);
```

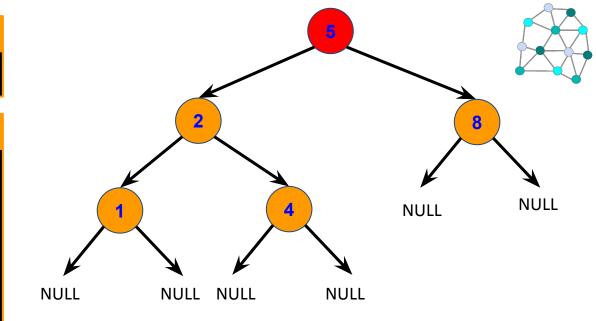
```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



```
Main
```

```
imprimir(nodo5);
```

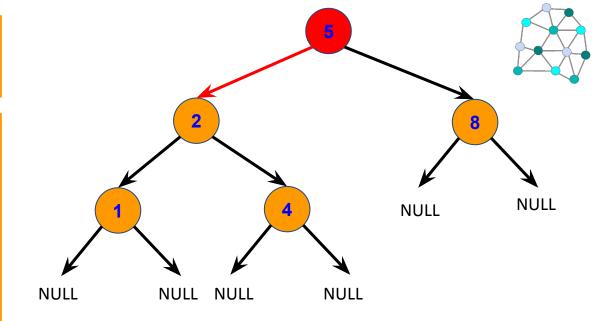
```
if (n==NULL)
    return;
imprimir (n->esq);
printf("\n%d",n->valor);
imprimir (n->dir);
```



```
Main
```

```
imprimir(nodo5);
```

```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



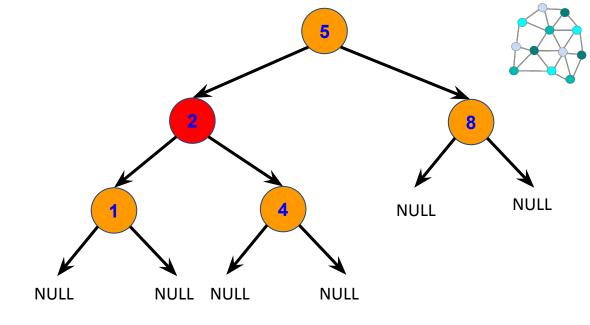
```
Main
imprimir(nodo5);
```

```
Imprime (nodo5)

imprimir(n->esq);
```

```
Imprime (nodo2)
```

```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



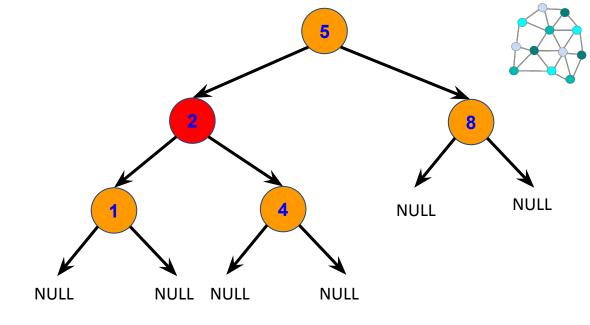
```
Main
imprimir(nodo5);
```

```
Imprime (nodo5)

imprimir(n->esq);
```

```
Imprime (nodo2)
```

```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

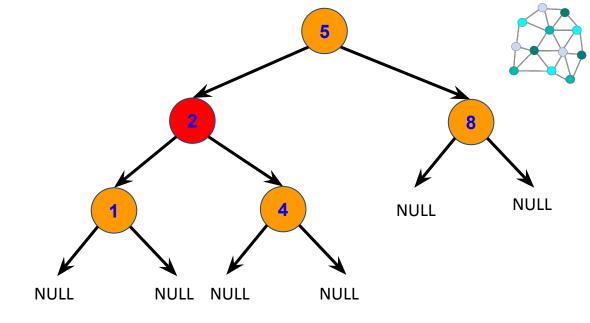


```
Main
imprimir(nodo5);
```

```
Imprime (nodo5)
imprimir(n->esq);
```

```
Imprime (nodo2)
```

```
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



```
Main
imprimir (nodo5);

Imprime (nodo5)
imprimir (n->esq);

Imprime (nodo2)
NULL NULL
```

**NULL** 

NULL

**NULL** 

if(n==NULL)

return;

imprimir(n->esq);

imprimir(n->dir);

printf("\n%d",n->valor);

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
```

```
Imprime (nodo1)

if (n==NULL)
    return;

imprimir (n->esq);

printf("\n%d",n->valor);

imprimir (n->dir);
```

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
```

# Imprime (nodo1) if (n==NULL) return; imprimir (n->esq); printf("\n%d",n->valor); imprimir (n->dir);

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
```

```
Imprime (nodo1)

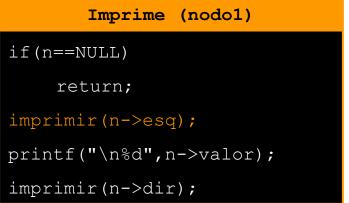
if (n==NULL)
    return;

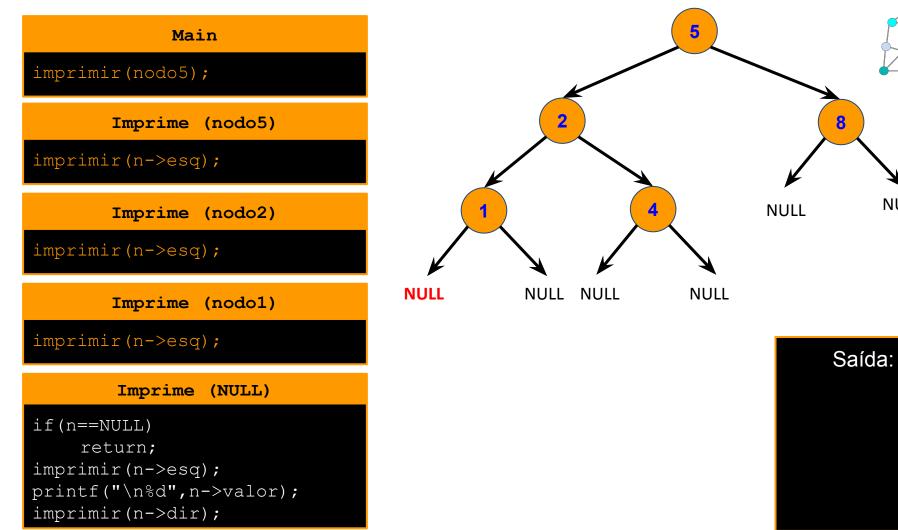
imprimir(n->esq);

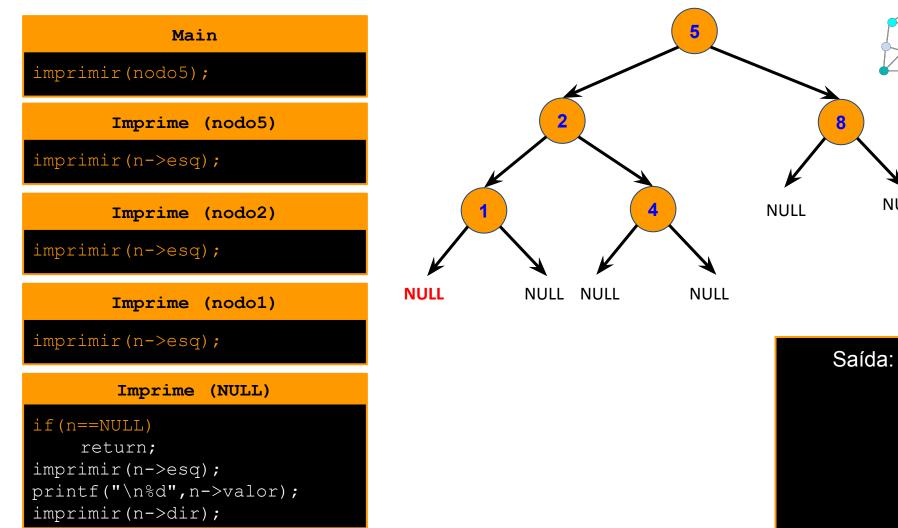
printf("\n%d",n->valor);

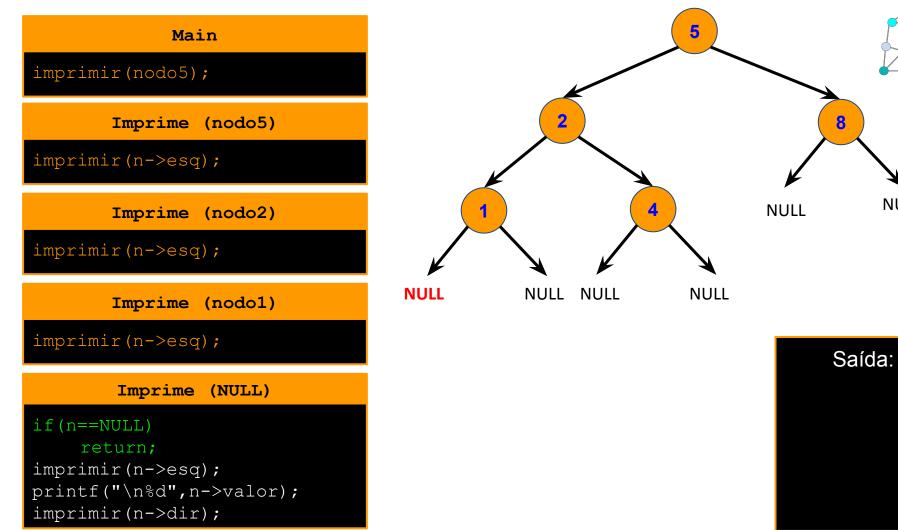
imprimir(n->dir);
```

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
```









```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo1)
if (n==NULL)
    return;
```

imprimir(n->esq);

imprimir(n->dir);

printf("\n%d",n->valor);



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                      NULL
       Imprime (nodo2)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                    NULL
                                                               NULL
       Imprime (nodo1)
```

```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                      NULL
       Imprime (nodo2)
imprimir(n->esq);
                                   NULL
                                                    NULL
                                               NULL
                                                              NULL
       Imprime (nodo1)
imprimir(n->dir);
        Imprime (NULL)
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```

imprimir(n->dir);

**NULL** 

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                      NULL
       Imprime (nodo2)
imprimir(n->esq);
                                   NULL
                                                    NULL
                                               NULL
                                                              NULL
       Imprime (nodo1)
imprimir(n->dir);
        Imprime (NULL)
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```

imprimir(n->dir);

**NULL** 

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                      NULL
       Imprime (nodo2)
imprimir(n->esq);
                                   NULL
                                                    NULL
                                               NULL
                                                              NULL
       Imprime (nodo1)
imprimir(n->dir);
        Imprime (NULL)
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

```
NULL
                                       NULL
NULL
             NULL
                   NULL
                              NULL
```

```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

Imprime (nodo1)

Main

Imprime (nodo5)

Imprime (nodo2)

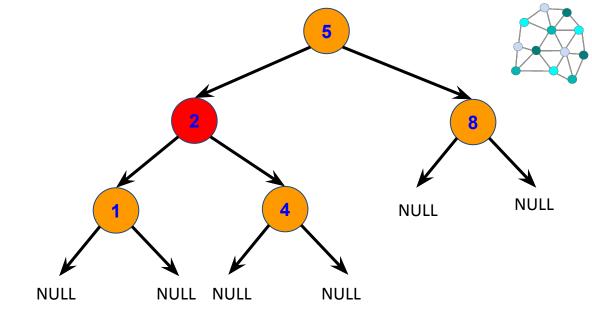
imprimir(nodo5);

imprimir(n->esq);

imprimir(n->esq);

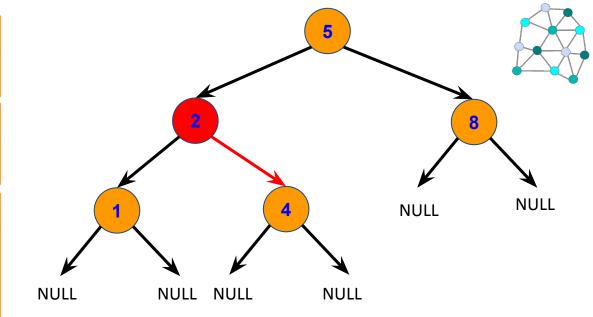
```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
       Imprime (nodo2)
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```

imprimir(n->dir);



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
       Imprime (nodo2)
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```

imprimir(n->dir);



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo4)
```

# if(n==NULL) return; imprimir(n->esq); printf("\n%d",n->valor); imprimir(n->dir);

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo4)
```

# if (n==NULL) return; imprimir(n->esq); printf("\n%d",n->valor); imprimir(n->dir); Saída: 1 2

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo4)
```

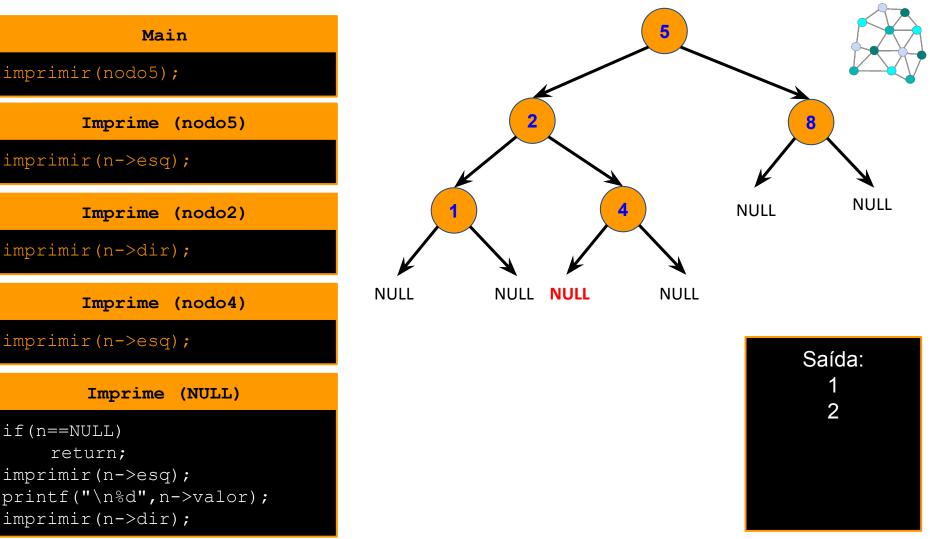
```
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

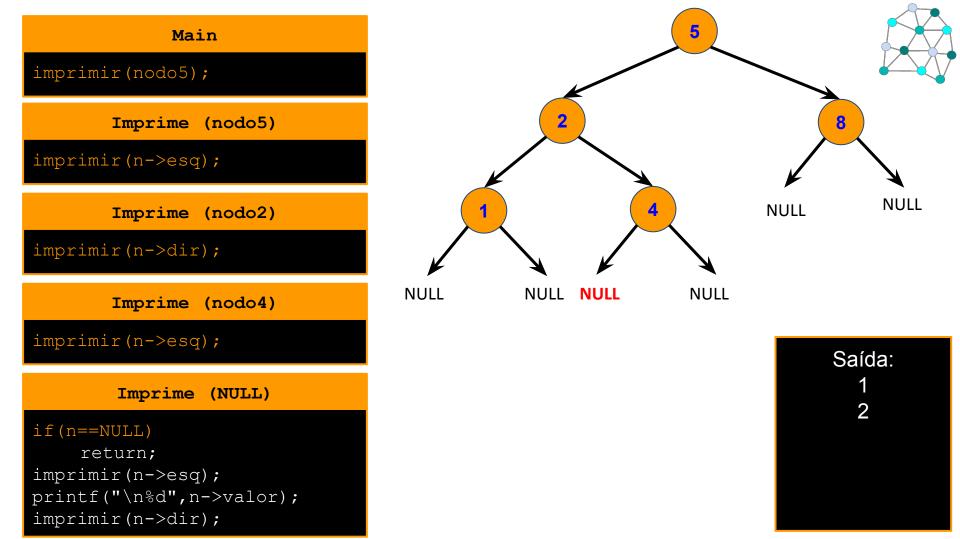
```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                                NULL
       Imprime (nodo4)
if (n==NULL)
```

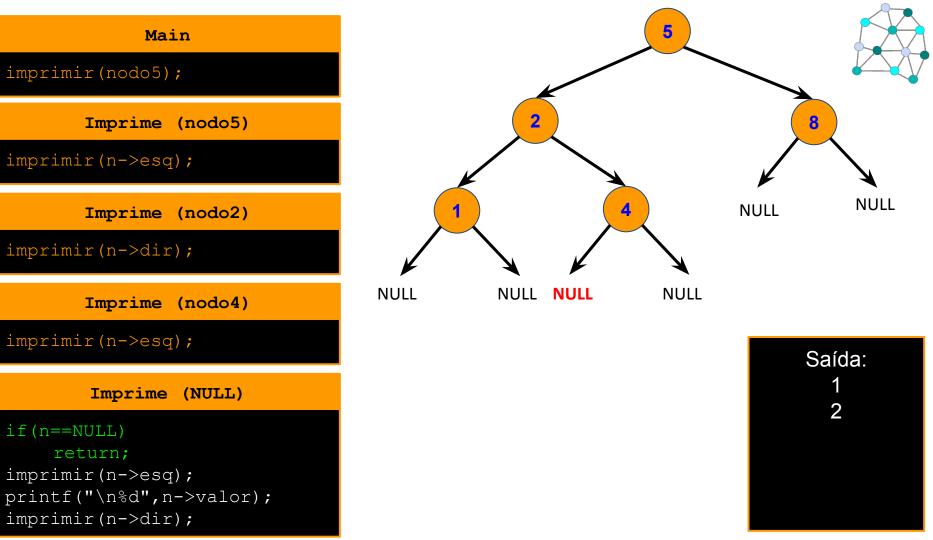
return;
imprimir(n->esq);

imprimir(n->dir);

printf("\n%d",n->valor);





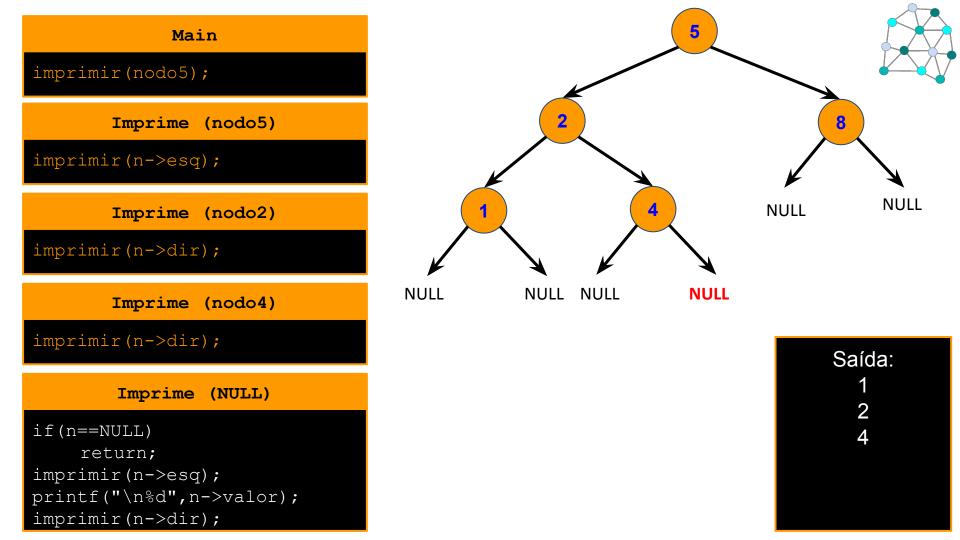


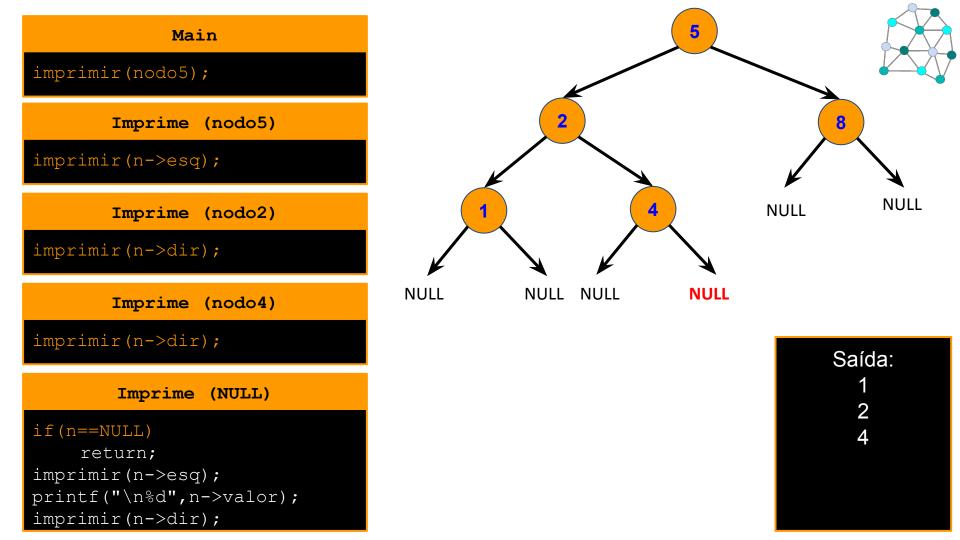
```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo4)
```

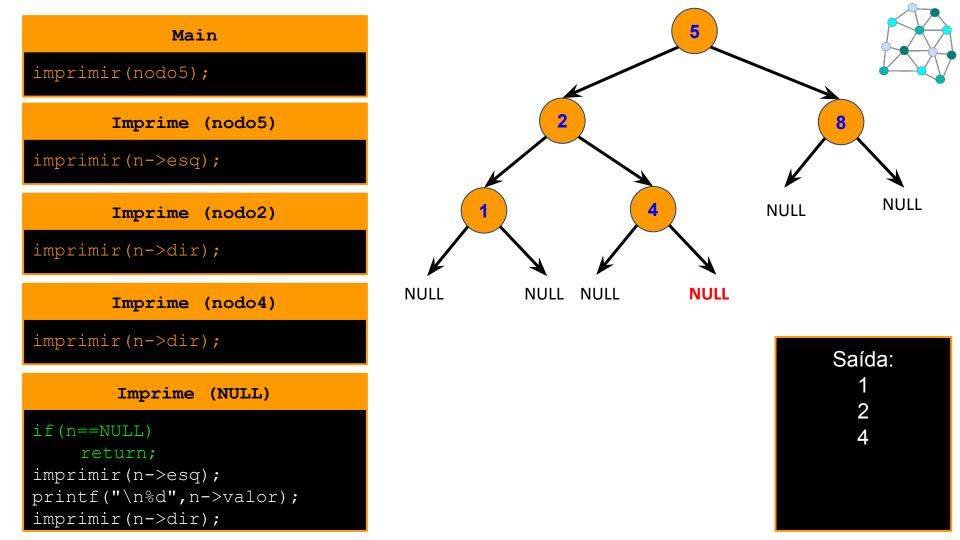
### if (n==NULL) return; imprimir(n->esq); printf("\n%d",n->valor); imprimir(n->dir);

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo4)
```

### if (n==NULL) return; imprimir(n->esq); printf("\n%d",n->valor); imprimir(n->dir);







```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->esq);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo2)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
       Imprime (nodo4)
```

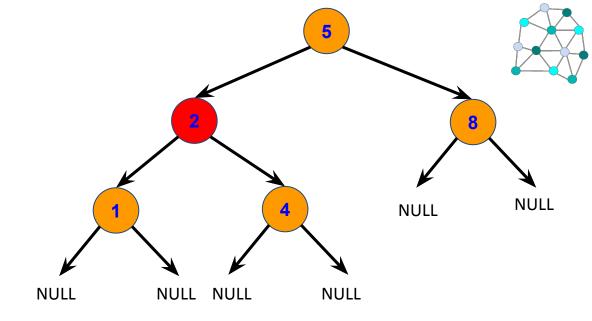
```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

```
Main
imprimir(nodo5);
       Imprime (nodo5)
```

```
imprimir(n->esq);
```

#### Imprime (nodo2)

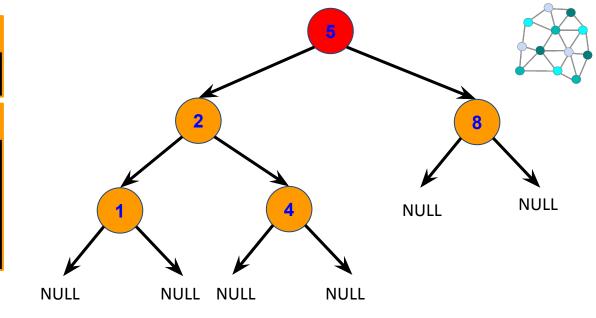
```
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



```
Main
imprimir(nodo5);
```

#### Imprime (nodo5)

```
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



### Saída:

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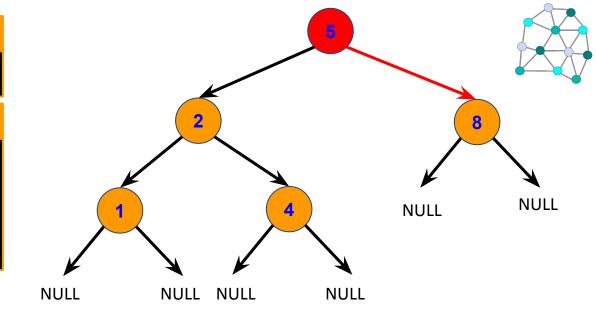
4

4

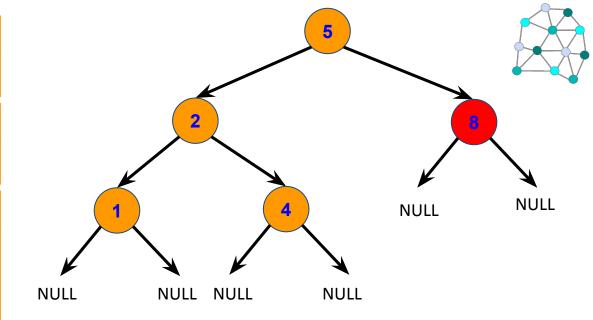
```
Main
imprimir(nodo5);
```

#### Imprime (nodo5)

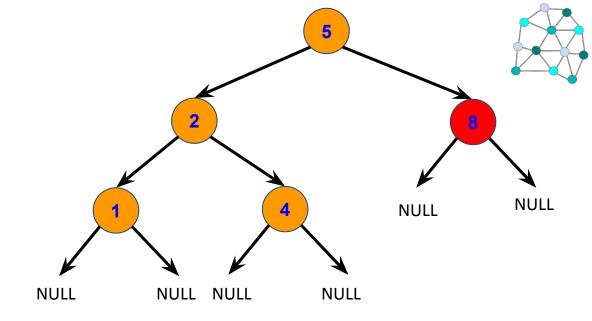
```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



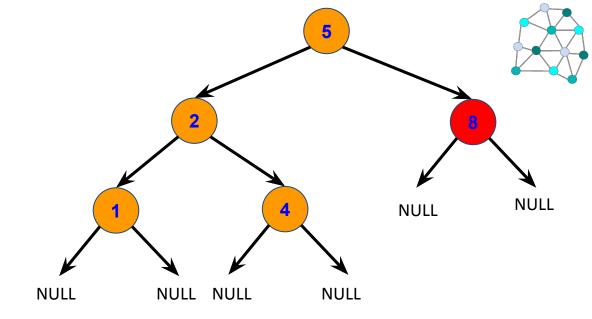
```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
       Imprime (nodo8)
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```



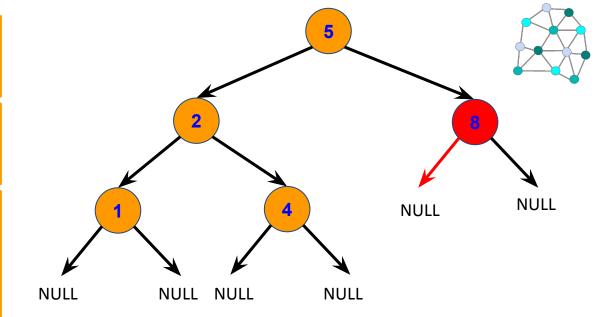
```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
       Imprime (nodo8)
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
       Imprime (nodo8)
imprimir(n->esq);
printf("\n%d",n->valor);
```



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
       Imprime (nodo8)
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo8)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
        Imprime (NULL)
```

# if(n==NULL) return; imprimir(n->esq); printf("\n%d",n->valor); imprimir(n->dir);

#### Saída:

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo8)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
        Imprime (NULL)
```

```
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo8)
imprimir(n->esq);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
        Imprime (NULL)
```

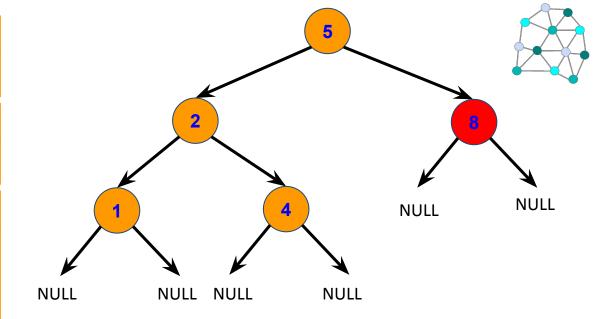
if (n==NULL)

return;
imprimir(n->esq);

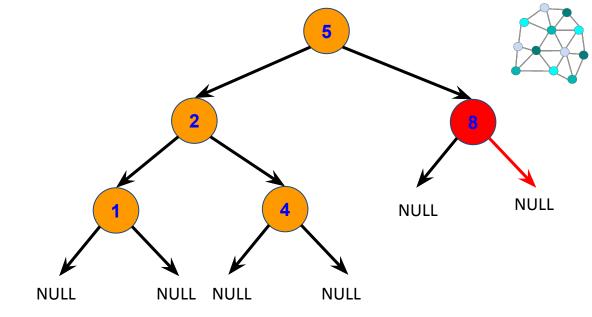
imprimir(n->dir);

printf("\n%d",n->valor);

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
       Imprime (nodo8)
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
```



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
       Imprime (nodo8)
if(n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo8)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
        Imprime (NULL)
```

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# if(n==NULL) return; imprimir(n->esq); printf("\n%d",n->valor); imprimir(n->dir);

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo8)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
        Imprime (NULL)
```

```
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

```
Main
imprimir(nodo5);
       Imprime (nodo5)
imprimir(n->dir);
                                                                                  NULL
                                                                       NULL
       Imprime (nodo8)
imprimir(n->dir);
                                    NULL
                                               NULL
                                                     NULL
                                                               NULL
        Imprime (NULL)
```

```
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```

```
Main

imprimir (nodo5);

Imprime (nodo5)

imprimir (n->dir);

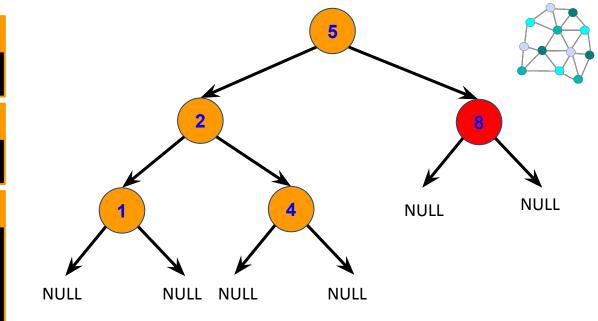
Imprime (nodo8)

if (n==NULL)
    return;
```

imprimir(n->esq);

imprimir(n->dir);

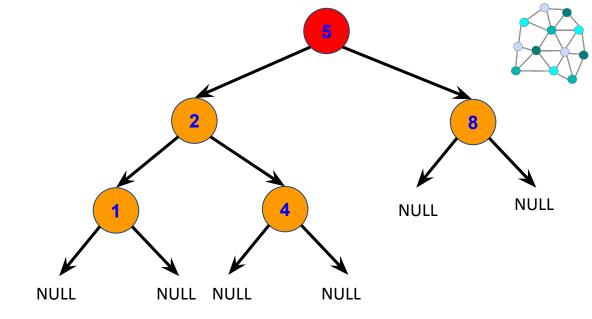
printf("\n%d",n->valor);



```
Main
imprimir(nodo5);
```

#### Imprime (nodo5)

```
if (n==NULL)
    return;
imprimir(n->esq);
printf("\n%d",n->valor);
imprimir(n->dir);
```



### Saída:

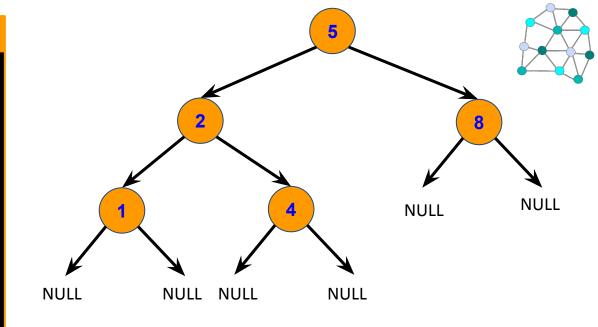
2

4

5

#### Main

```
Nodo *nodo5 = create(5);
Nodo *nodo2 = create(2);
Nodo *nodo1 = create(1);
Nodo *nodo8 = create(8);
Nodo *nodo4 = create(4);
nodo5 -> esq = nodo2;
nodo2 -> esq = nodo1;
nodo5->dir = nodo8;
nodo2 -> dir = nodo4;
imprimir(nodo5);
```



#### Saída:

Leonardo de Abreu Schmidt

