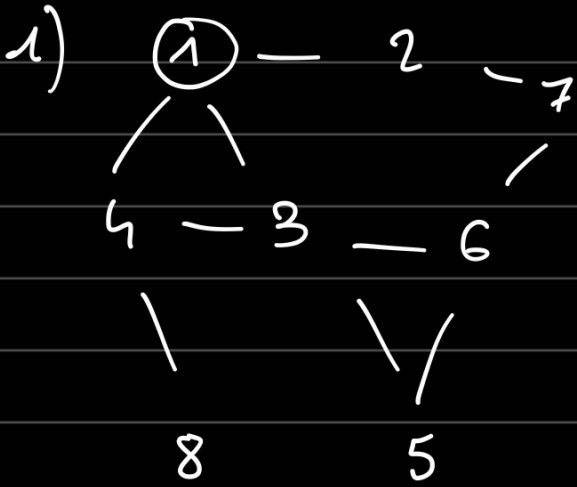


TD3

## Exercice 1:

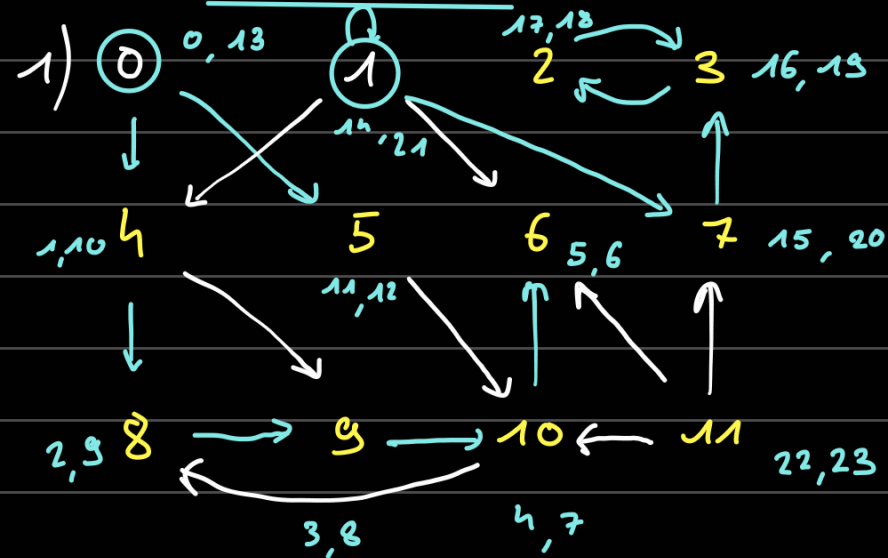


$\Rightarrow 1, 2, 7, 6, 3, 4, 8, 5$

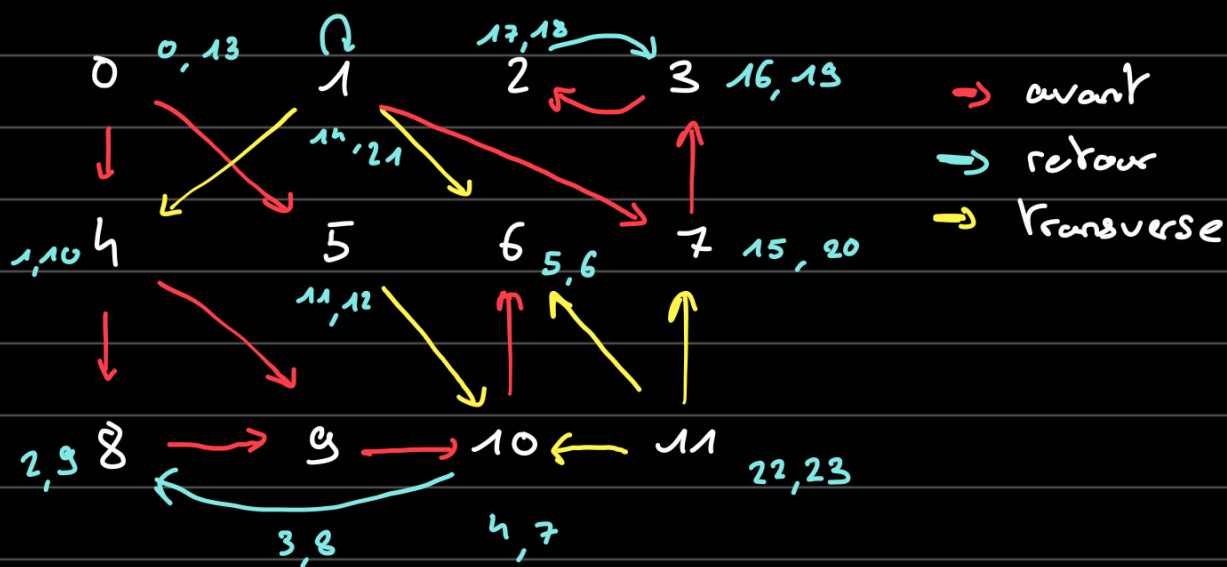
= Kr3 topologique

1, 2, 3, 8, 4, 5, 6, 7, 9, 11, 10

### Exercice 3:

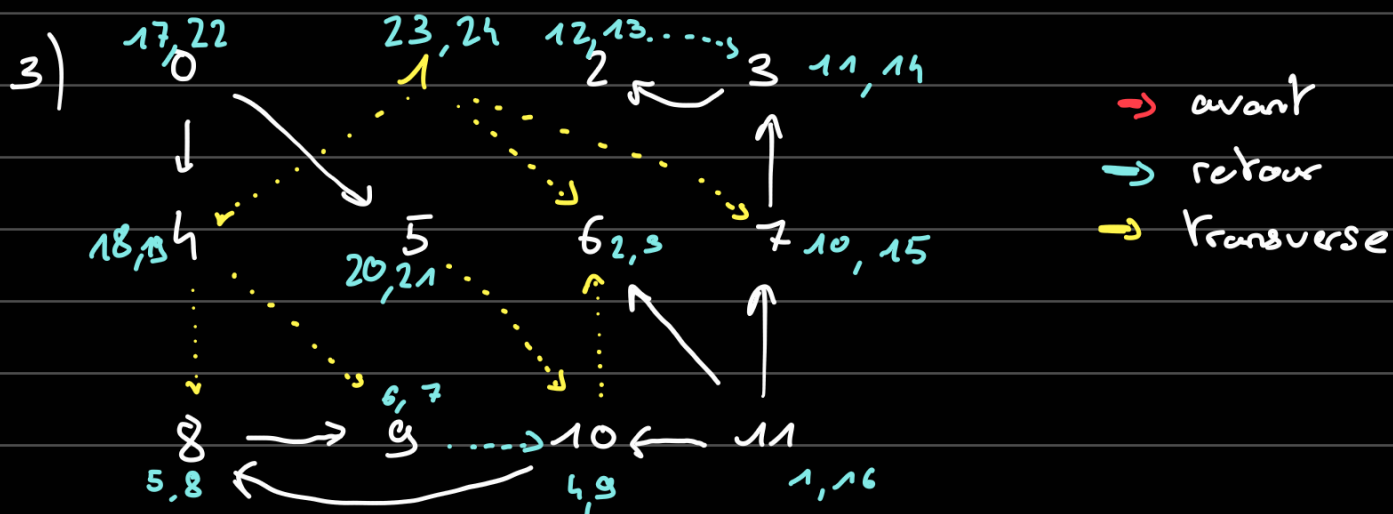


## Er3quellefrage



Arce

2)



[11, 6, 10, 8, 9, 7, 3, 2, 0, 4, 5, 1]

4) cas.

## Exercice 2:

```
def DFS_count(G, s):
```

```
    n = len(G.V)
```

```
    marque = [False] * n
```

```
    S = Stack()
```

```
    count = 0
```

```
    pre = [-1] * n
```

```
    pre = [-1] * n
```

```
    for v in G.V:
```

```
        if marque[v]:
```

```
            continue
```

```
        marque[v] = True
```

```
        S.push(v)
```

```
        while len(S) > 0:
```

```
            curr = S.pop()
```

```
            pre[curr] = count
```

```
            count += 1
```

```
            for v in G.E[curr]:
```

```
                if not marque[v]:
```

```
                    S.push(v)
```

```
                    marque[v] = True
```

} A pas  
tous les  
voisins.

1 seul.

.incr post[...]  
quand on depile

.incr pre[...]  
quand

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