Estrutura de Dados - Lista 11
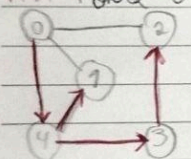
Guilherme de Souza Dionisio Rosseti
BV3032019

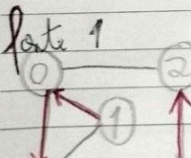# 11.1

Estrutura de Dados - Lista
Guilherme de Souza Dionisio Rositi

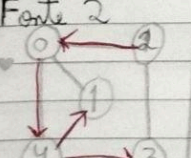## PROFUNDIDADE

11.1 - Fonte 0

Vertice	marked	id	size	adjacente
0	T	0	50	4, 2, 1
1	T	0	—	0 4
2	T	0	—	0, 3 —
3	T	0	—	2, 4
4	T	0	—	0, 1, 3

Fonte 1
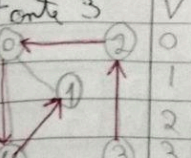
v	marked	id	size	adj.
0	T	0	50	4, 2, 1
1	T	0	—	0 4
2	T	0	—	0, 3 —
3	T	0	—	2, 4
4	T	0	—	0, 1, 3

Fonte 2
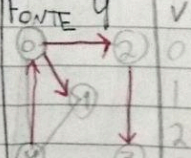
v	mark	id	size	adj
0	T	0	5	4, 2, 1
1	T	0	1	2, 4 —
2	T	0	1	0, 3
3	T	0	1	2, 4 —
4	T	0	1	0, 1, 3

Fonte 3

v	mk	id	sig	adj
0	T	0	5	4, 2, 1
1	T	0	—	0, 4 —
2	T	0	—	0, 3
3	T	0	—	2, 4
4	T	0	—	0, 1, 3

Fonte 4

v	m	id	size	adj.
0	T	0	50	4, 2, 1
1	T	0	—	0, 4
2	T	0	—	0, 3
3	T	0	—	2, 4 —
4	T	0	—	0, 1, 3

11.1 - LARGURA   FILA: 0→4,2,1 → 2,1,3
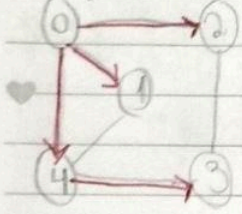
Fonte 0

V	M	edge	dist	adj
0	T	-	0	4,2,1
1	T	0	1	0,4
2	T	0	1	0,3
3	T	4	2	2,4
4	T	0	1	0,1,3

Fonte 1
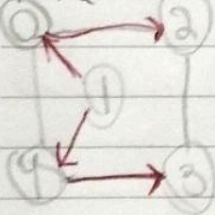
FILA: 1→0,4 → 2,3

V	M	edge	dist	adj
0	T	1	1	4,2,1
1	T	-	0	0,4
2	T	0	2	0,3
3	T	4	2	2,4
4	T	1	1	0,1,3

Fonte 2
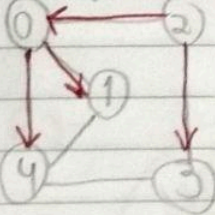
FILA: 2→0,3 → 3,4,1

V	M	edge	dist	adj
0	T	2	1	4,2,1
1	T	0	2	0,4
2	T	-	0	0,3
3	T	2	1	2,4
4	T	0	2	0,1,3

Fonte 3
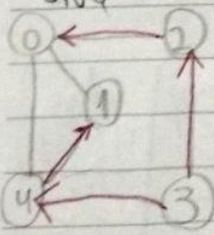
V	M	edge	dist	adj
0	T	4	2	4,2,1
1	T	4	3	0,4
2	T	3	1	0,3
3	T	-	0	2,4
4	T	3	1	0,1,3

FILA: 2,4→2,1,4 →1,0 →→
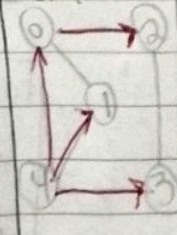
Fonte 4

V	M	edge	dist	adj
0	T	4	1	4,2,1
1	T	1	1	0,4
2	T	0	2	0,3
3	T	4	1	2,4
4	T	4	0	0,1,3

FILA: 0,1,3→1,3,2

11.2

Fonte 0

Profundidade
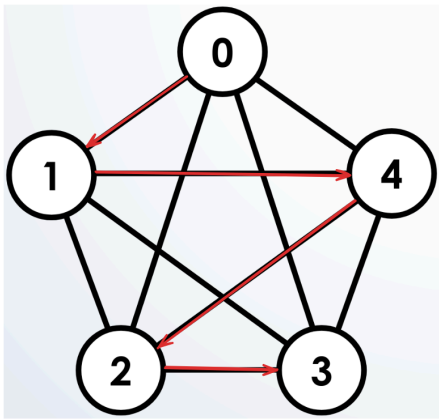
V	Marked	id	size	adjacentes
0	T	0	5	**1**, 3, 2, 4
1	T	0	-	0, **4**, 3, 2
2	T	0	-	0, 4, 1, **3**
3	T	0	-	0, 4, 1, 2 -
4	T	0	-	0, 1, **2**, 3
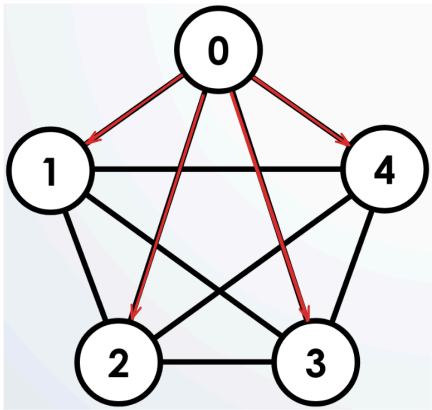
Largura

Fila: 1 ➜ 1, 3 ➜ 1, 3, 2 ➜ 1, 3, 2, 4

V	Marked	edge	dist	adjacentes
0	T	-	0	1, 3, 2, 4
1	T	0	1	0, 4, 3, 2
2	T	0	1	0, 4, 1, 3
3	T	0	1	0, 4, 1, 2
4	T	0	1	0, 1, 2, 3

Fonte 1

Profundidade
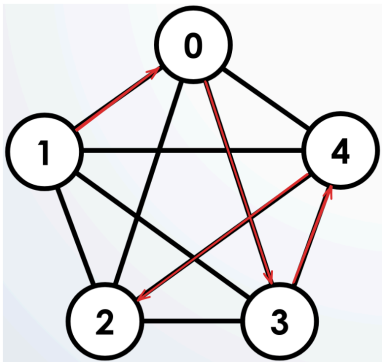
V	Marked	id	size	adjacentes
0	T	0	5	1, **3**, 2, 4
1	T	0	-	**0**, 4, 3, 2
2	T	0	-	0, 4, 1, 3 -
3	T	0	-	0, **4**, 1, 2
4	T	0	-	0, 1, **2**, 3
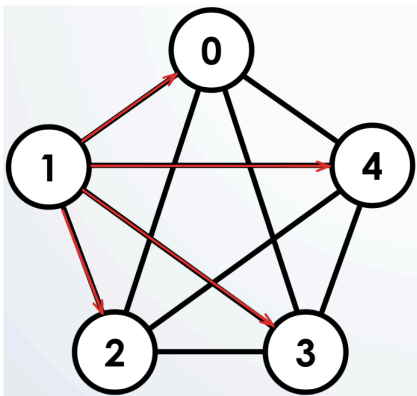
Largura

Fila: 0 ➔ 0, 4 ➔ 0, 4, 3 ➔ 0, 4, 3, 2

V	Marked	edge	dist	adjacentes
0	T	1	1	1, 3, 2, 4
1	T	-	0	0, 4, 3, 2
2	T	1	1	0, 4, 1, 3
3	T	1	1	0, 4, 1, 2
4	T	1	1	0, 1, 2, 3

Fonte 2

Profundidade
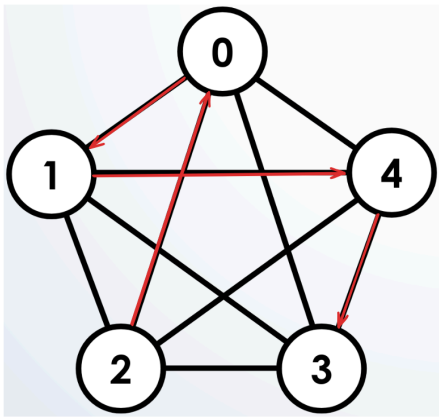
V	Marked	id	size	adjacentes
0	T	0	5	**1**, 3, 2, 4
1	T	0	-	0, **4**, 3, 2
2	T	0	-	**0**, 4, 1, 3
3	T	0	-	0, 4, 1, 2 -
4	T	0	-	0, 1, 2, **3**
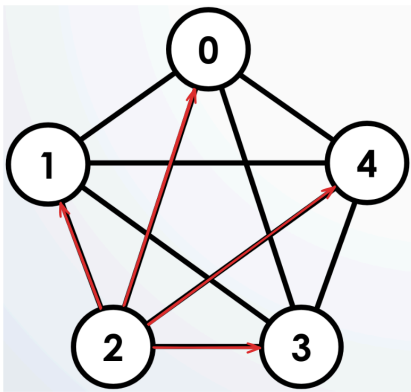
Largura

File: 0 ➔ 0, 4 ➔ 0, 4, 1 ➔ 0, 4, 1, 3

V	Marked	edge	dist	adjacentes
0	T	2	1	1, 3, 2, 4
1	T	2	1	0, 4, 3, 2
2	T	-	0	0, 4, 1, 3
3	T	2	1	0, 4, 1, 2
4	T	2	1	0, 1, 2, 3

Fonte 3

Profundidade
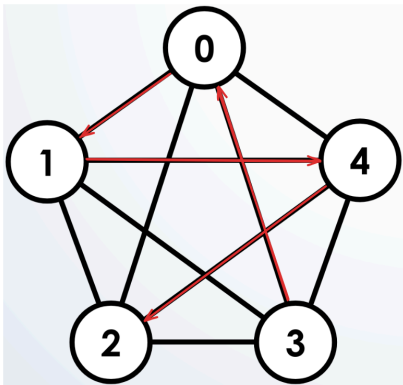
V	Marked	id	size	adjacentes
0	T	0	5	**1**, 3, 2, 4
1	T	0	-	0, **4**, 3, 2
2	T	0	-	0, 4, 1, 3 -
3	T	0	-	**0**, 4, 1, 2
4	T	0	-	0, 1, **2**, 3
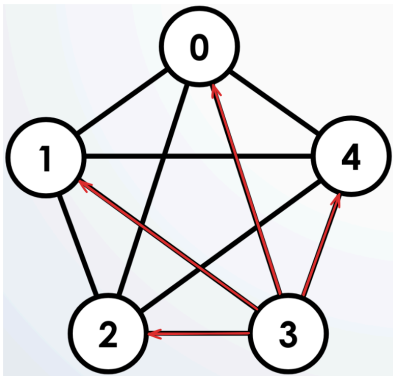
Largura

Fila: 0 ➔ 0, 4 ➔ 0, 4, 1 ➔ 0, 4, 1, 2

V	Marked	edge	dist	adjacentes
0	T	3	1	1, 3, 2, 4
1	T	3	1	0, 4, 3, 2
2	T	3	1	0, 4, 1, 3
3	T	-	0	0, 4, 1, 2
4	T	3	1	0, 1, 2, 3

Fonte 4

Profundidade
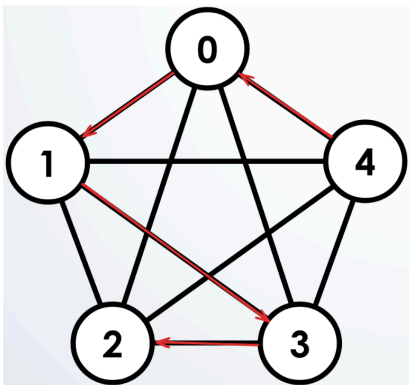
V	Marked	id	size	adjacentes
0	T	0	5	**1**, 3, 2, 4
1	T	0	-	0, 4, **3**, 2
2	T	0	-	0, 4, 1, 3 -
3	T	0	-	0, 4, 1, **2**
4	T	0	-	**0**, 1, 2, 3

Largura
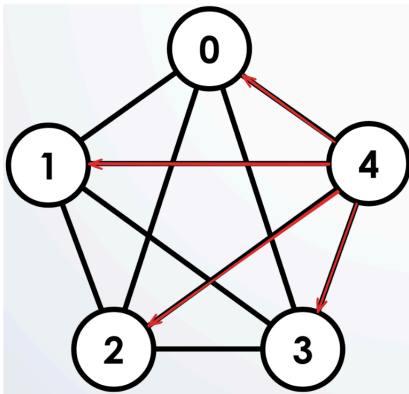
Fila: 0 ➔ 0, 1 ➔ 0, 1, 2 ➔ 0, 1, 2, 3

V	Marked	edge	dist	adjacentes
0	T	4	1	1, 3, 2, 4
1	T	4	1	0, 4, 3, 2
2	T	4	1	0, 4, 1, 3
3	T	4	1	0, 4, 1, 2
4	T	-	1	0, 1, 2, 3

11.3

Fonte 4

Profundidade
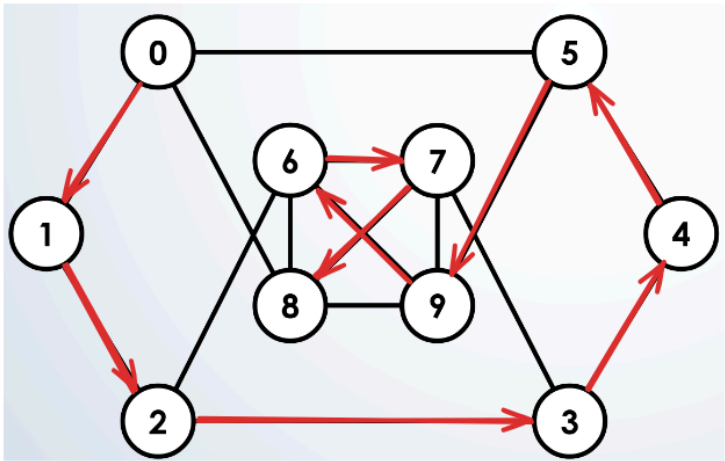
V	Marked	id	size	adjacentes
0	T	0	10	**1**, 8, 5
1	T	0	-	0, **2**
2	T	0	-	**3**, 1, 6
3	T	0	-	**4**, 7, 2
4	T	0	-	**5**, 3
5	T	0	-	0, **9**, 4
6	T	0	-	2, **7**, 8, 9
7	T	0	-	3, 6, **8**, 9
8	T	0	-	0, 6, 7, 9 -
9	T	0	-	5, **6**, 8, 7

Largura
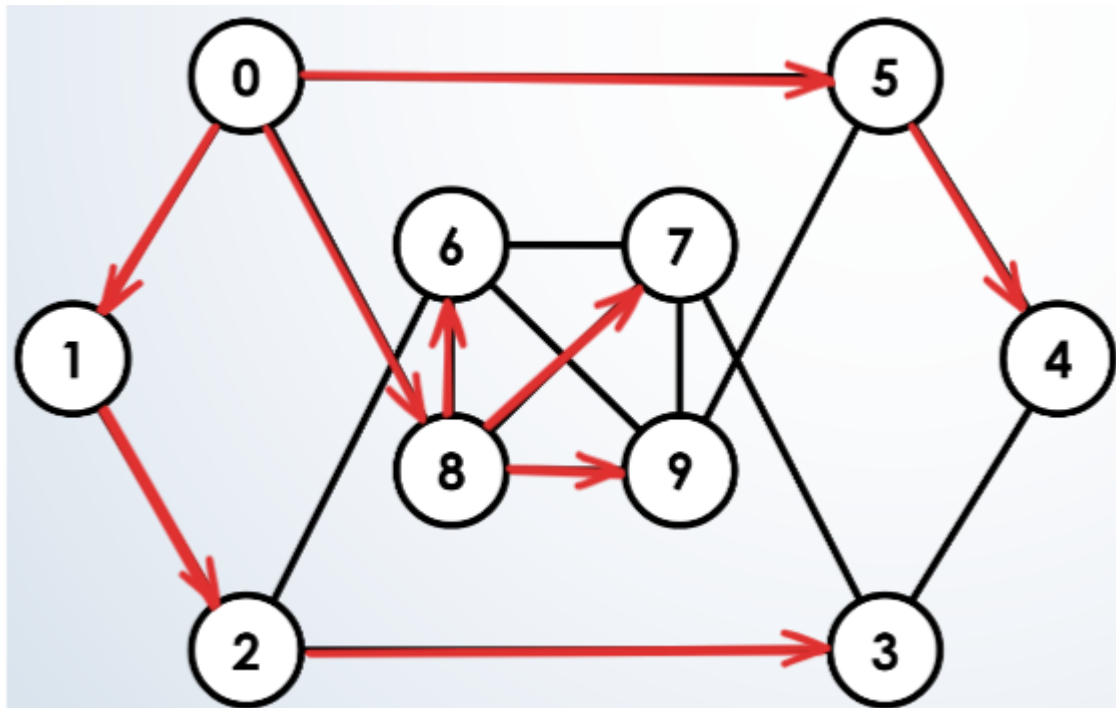
V	Marked	edge	dist	adjacentes
0	T	-	0	1, 8, 5
1	T	0	1	0, 2
2	T	1	2	3, 1, 6
3	T	2	3	4, 7, 2
4	T	5	2	5, 3
5	T	0	1	0, 9, 4
6	T	8	2	2, 7, 8, 9
7	T	8	2	3, 6, 8, 9
8	T	0	1	0, 6, 7, 9 -
9	T	8	2	5, 6, 8, 7

Lista: 1, 8, 5 ➔ 8, 5, 2 ➔ 5, 2, 6, 7, 9 ➔ 2, 6, 7, 9, 4 ➔ 6, 7, 9, 4, 3