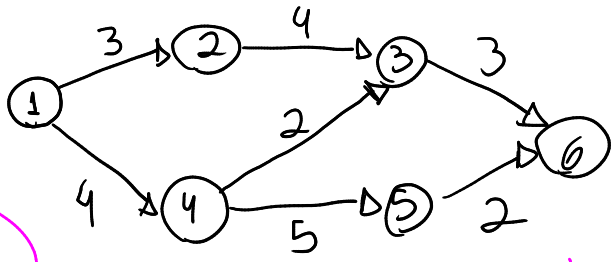
Teste de Mesa de Bellman-Ford

$n = |V| = 6$; $n-1 = 5$

G



S = 1

	D	A
1	~~∞~~ 0	n
2	~~∞~~ 3	~~4~~ 1
3	~~∞~~ ~~6~~	~~∞~~ ~~4~~
4	~~∞~~ 4	~~4~~ 1
5	~~∞~~ 9	~~4~~ 4
6	~~∞~~ 9	~~∞~~ 3

E: conj. de arcos

i	1	2	3	4	5	Ciclos?
(3,6)						
(5,6)						
(2,3)						
(4,5)						
(4,3)						
(1,2)						
(1,4)						

1 → 1 custo: 0

1 → 2 custo: 3

1 → 2

1 → 4 custo: 4

1 → 4

1 → 5 custo: 9

1 → 4 → 5

1 → 3 custo: 6

1 → 4 → 3

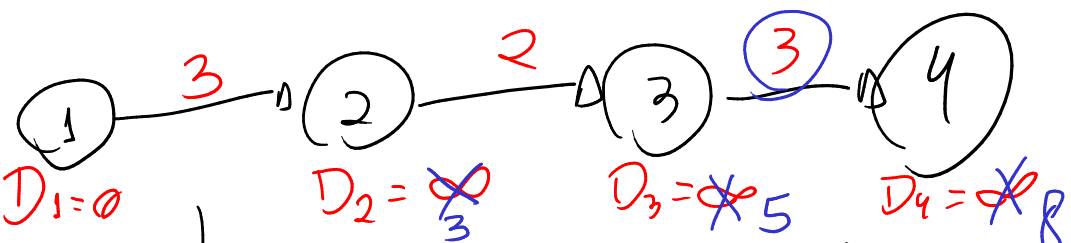
1 → 6 custo: 9

1 → 4 → 3 → 6

Pior caso $n = 4$ $n-1$ ✓

S = 1

G



$D_1 = 0$ $D_2 = \cancel{\infty}\ 3$ $D_3 = \cancel{\infty}\ 5$ $D_4 = \cancel{\infty}\ 8$

Ordem da visita dos arcos seria:

(3,4), (2,3), (1,2)

i			
1	✓	✓	✓
2	✓	✓	✓
3	✓	✓	✓

Dijkstra