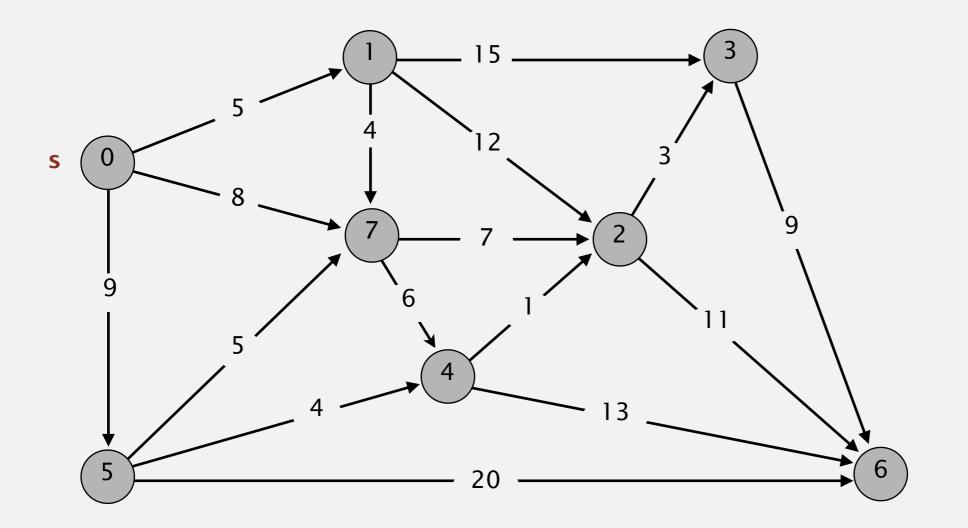


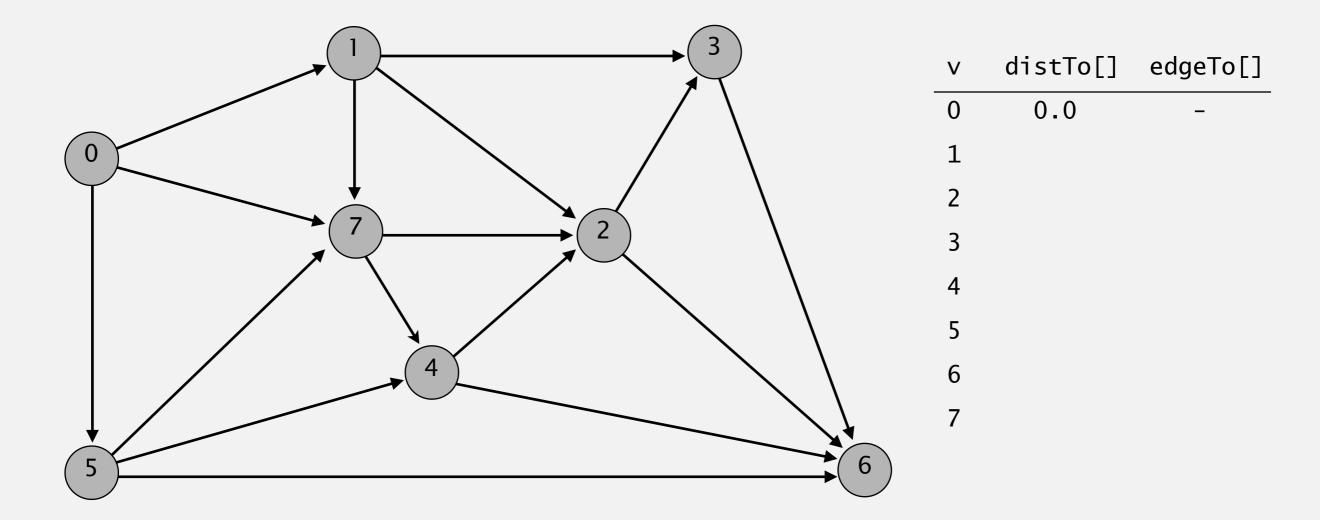
Repeat V-1 times: relax all E edges.



0→1 5.0 0→4 9.0 8.0 0→7 1→2 12.0 15.0 1→3 1→7 4.0 3.0 2→3 2→6 11.0 9.0 3→6 4→2 1.0 4→6 13.0 5→4 4.0 5→6 20.0 5→7 5.0 7→2 7.0 7→4 6.0

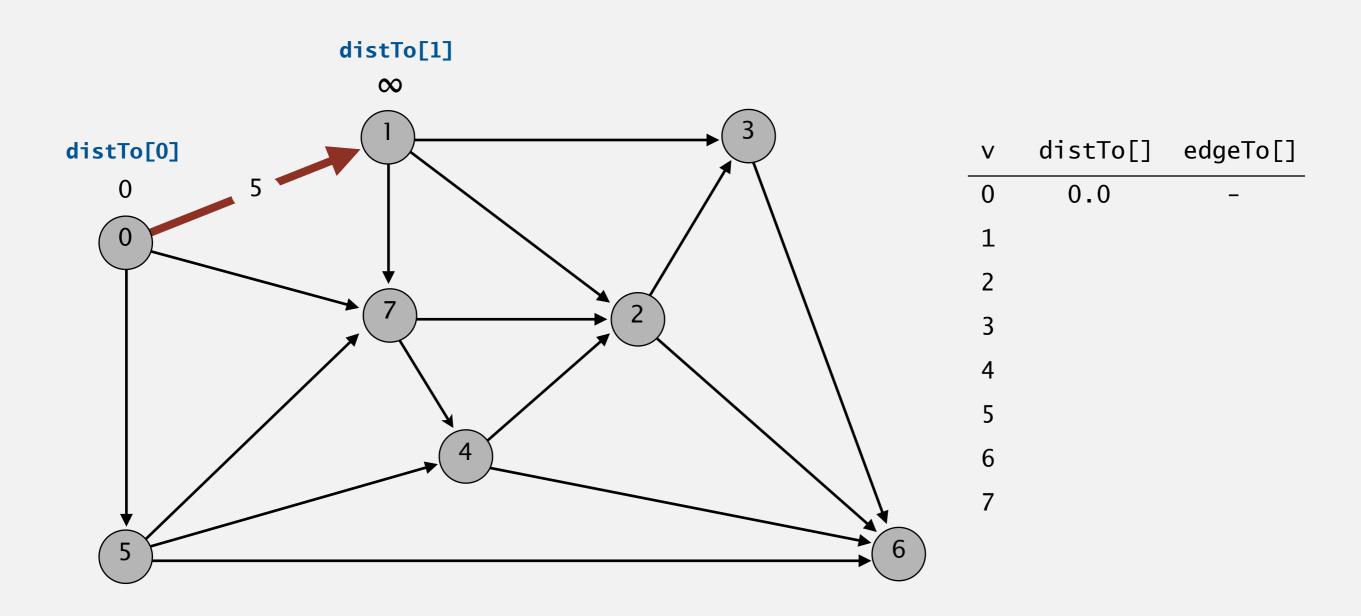
an edge-weighted digraph

Repeat V-1 times: relax all E edges.



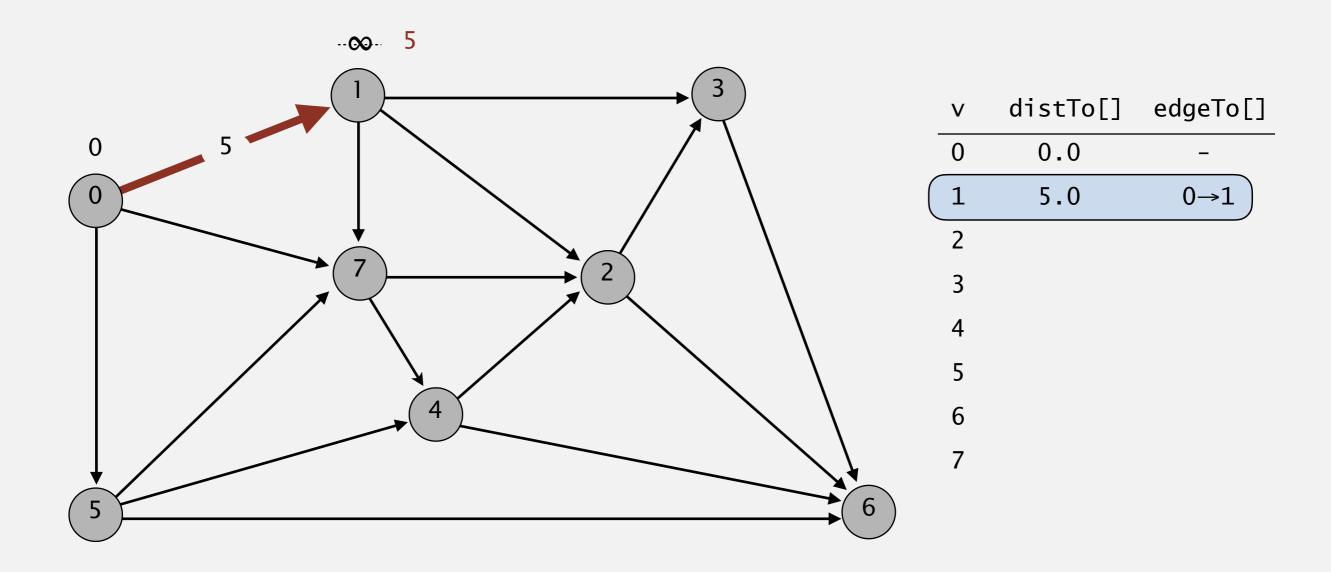
initialize

Repeat V-1 times: relax all E edges.



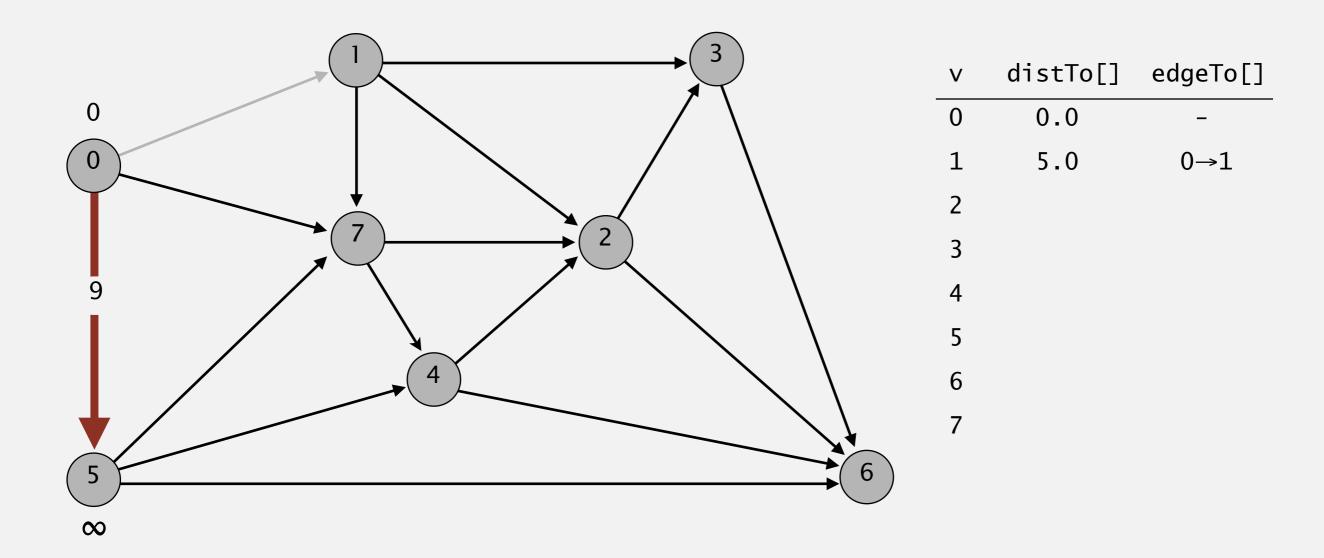
pass 1 $0 \rightarrow 1 \ 0 \rightarrow 5 \ 0 \rightarrow 7 \ 1 \rightarrow 2 \ 1 \rightarrow 3 \ 1 \rightarrow 7 \ 2 \rightarrow 3 \ 2 \rightarrow 6 \ 3 \rightarrow 6 \ 4 \rightarrow 2 \ 4 \rightarrow 6 \ 5 \rightarrow 4 \ 5 \rightarrow 6 \ 5 \rightarrow 7 \ 7 \rightarrow 2 \ 7 \rightarrow 4$

Repeat V-1 times: relax all E edges.



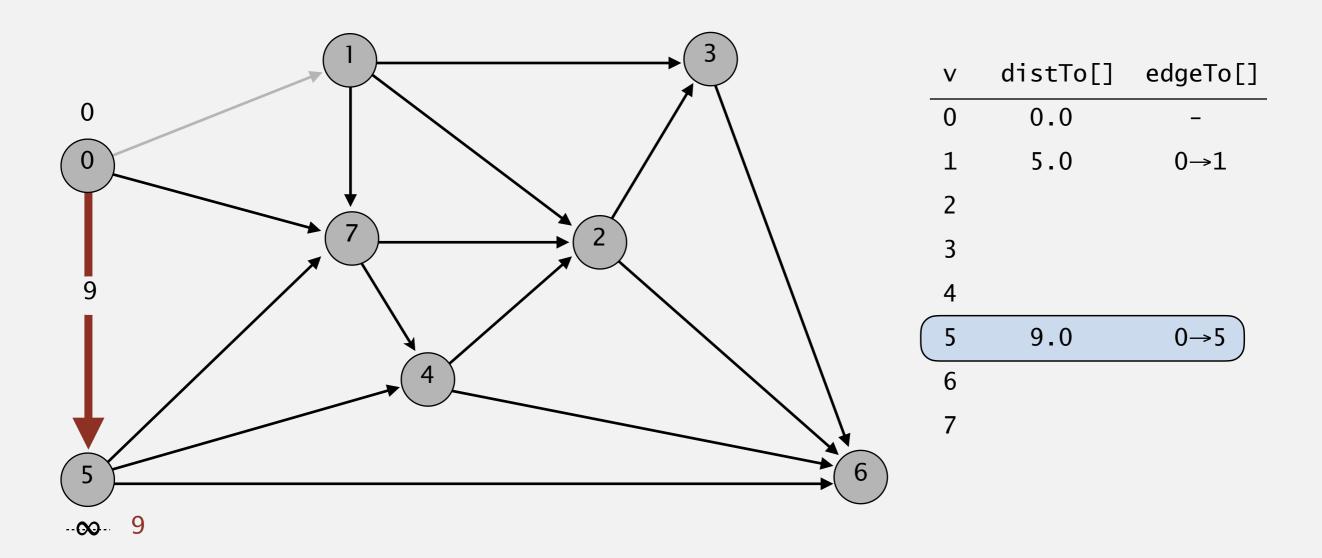
pass 1

Repeat V-1 times: relax all E edges.



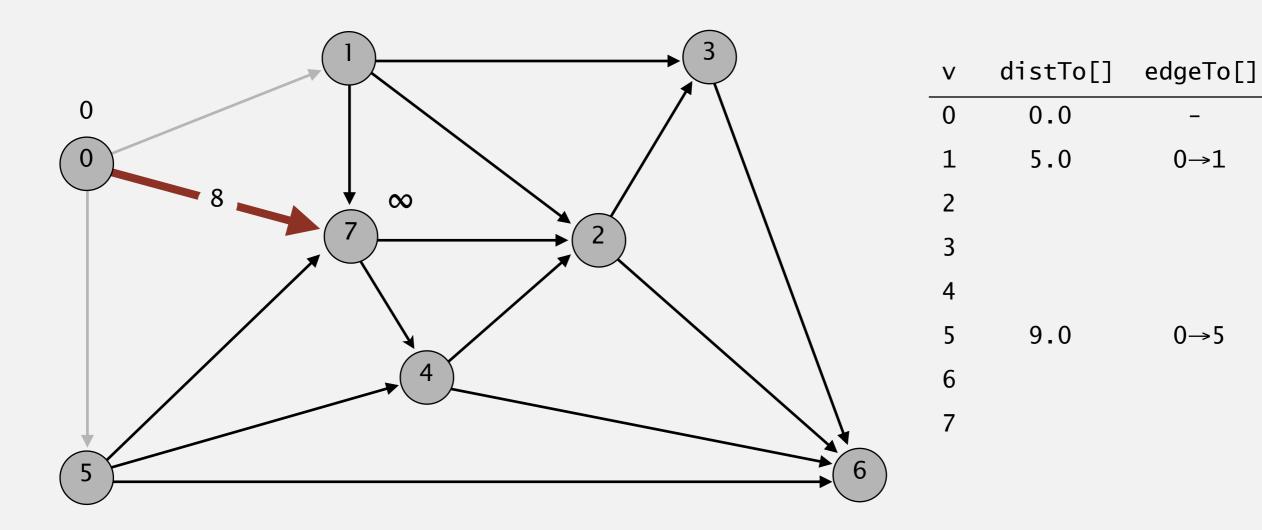
pass 1

Repeat V-1 times: relax all E edges.



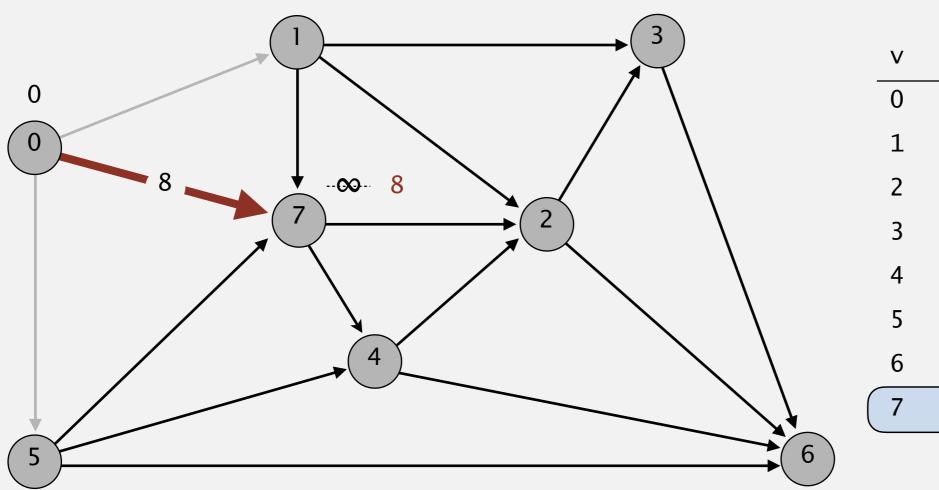
pass 1

Repeat V-1 times: relax all E edges.



pass 1

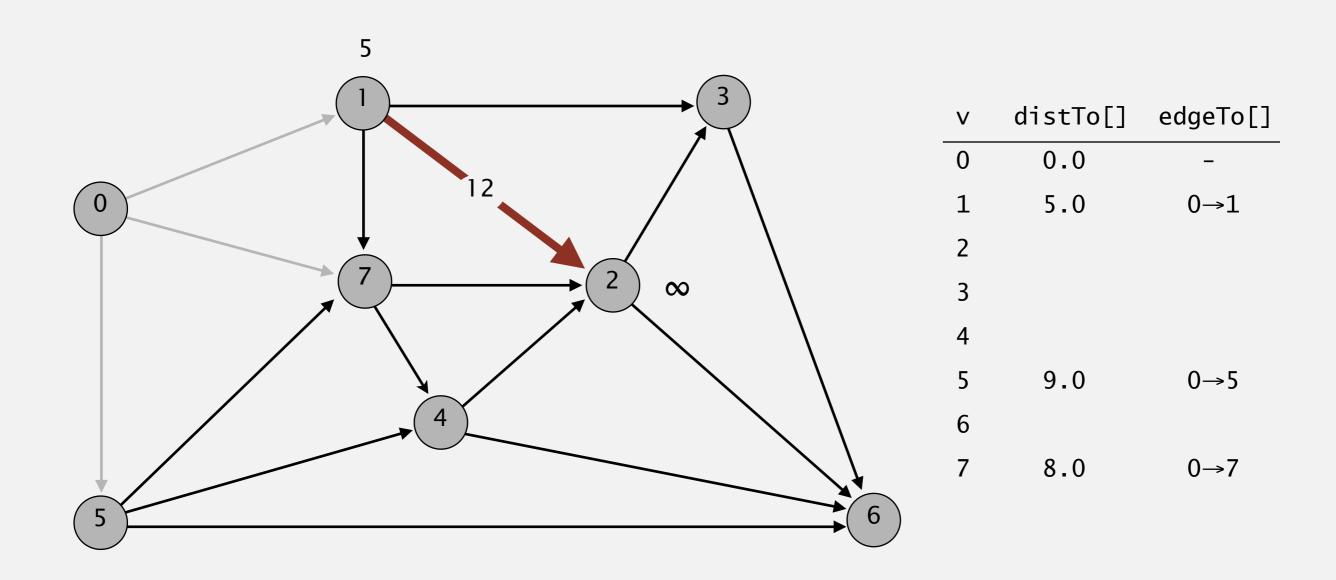
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2		
3		
4		
5	9.0	0→5
6		
7	8.0	0→7

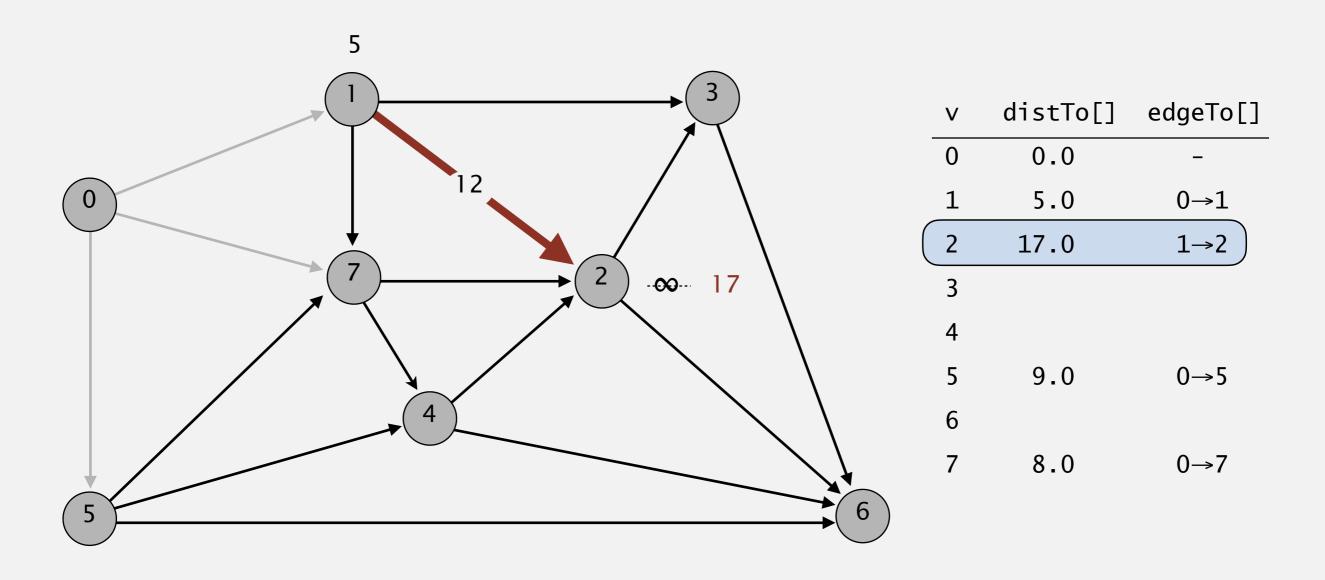
pass 1

Repeat V-1 times: relax all E edges.



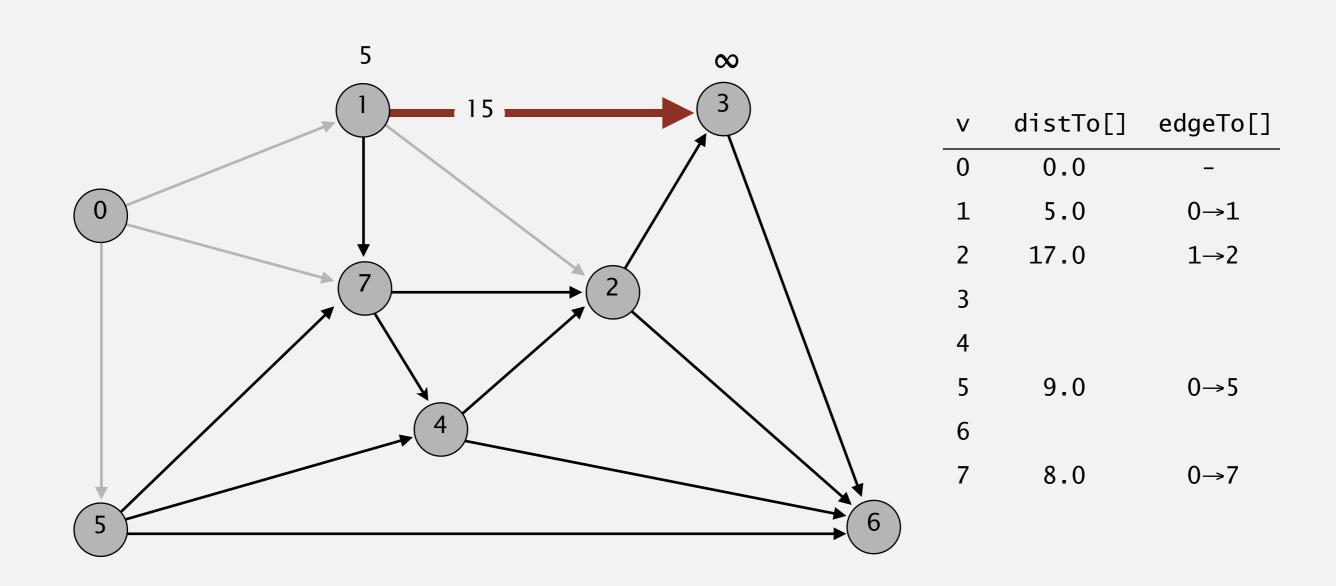
pass 1

Repeat V-1 times: relax all E edges.



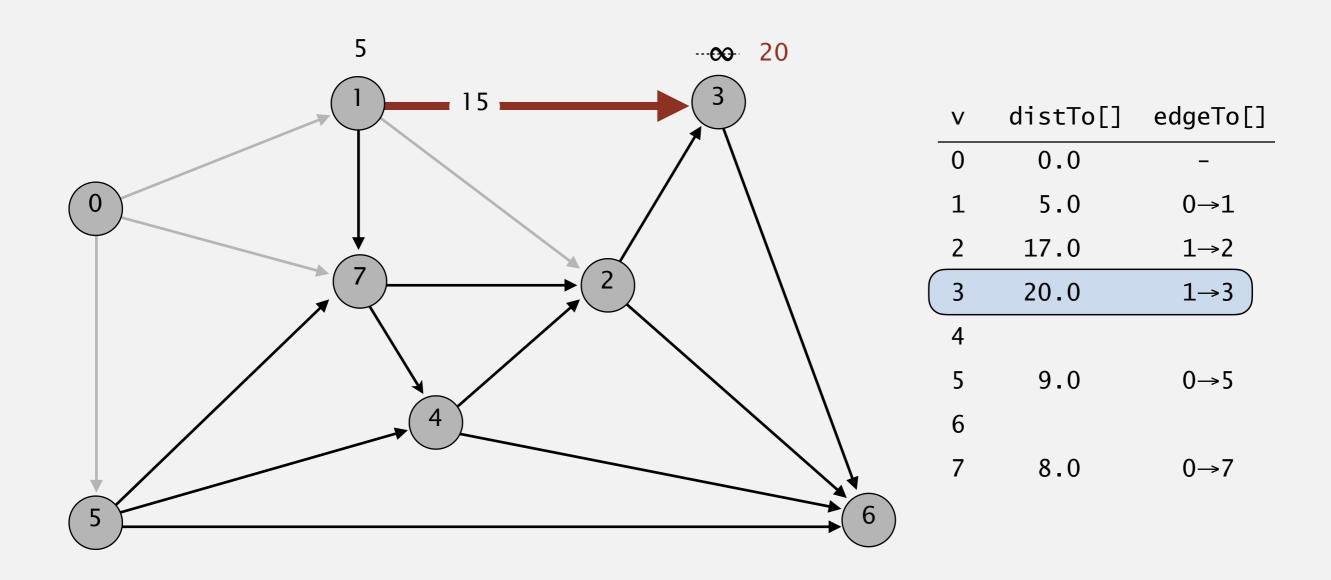
pass 1

Repeat V-1 times: relax all E edges.



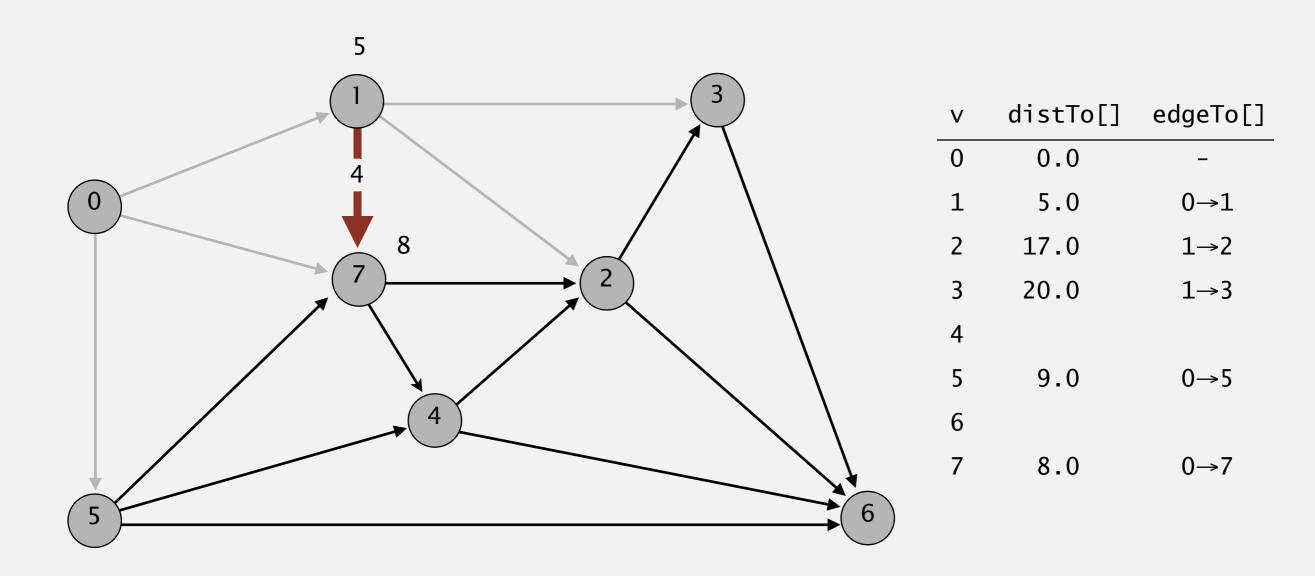
pass 1

Repeat V-1 times: relax all E edges.



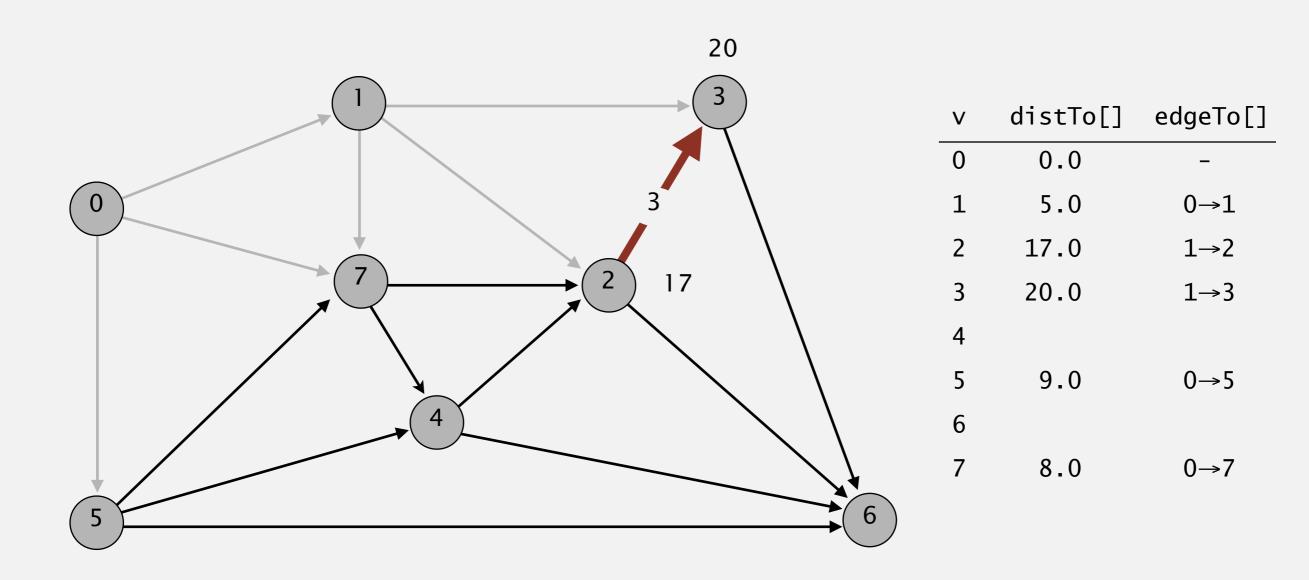
pass 1

Repeat V-1 times: relax all E edges.



pass 1

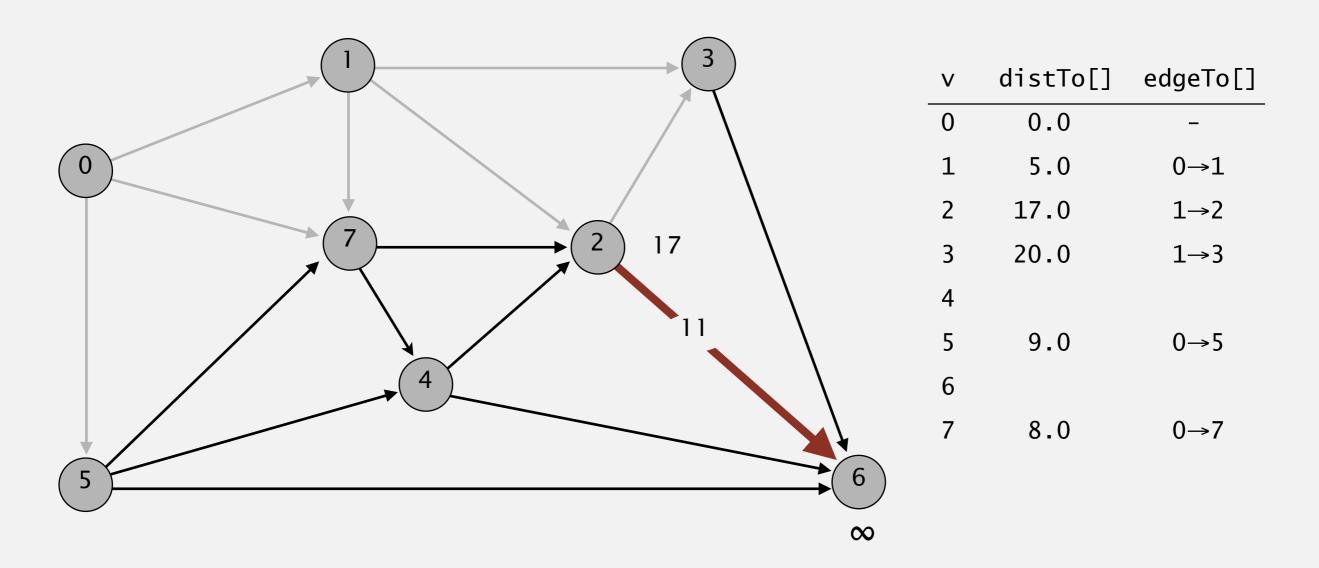
Repeat V-1 times: relax all E edges.



pass 1

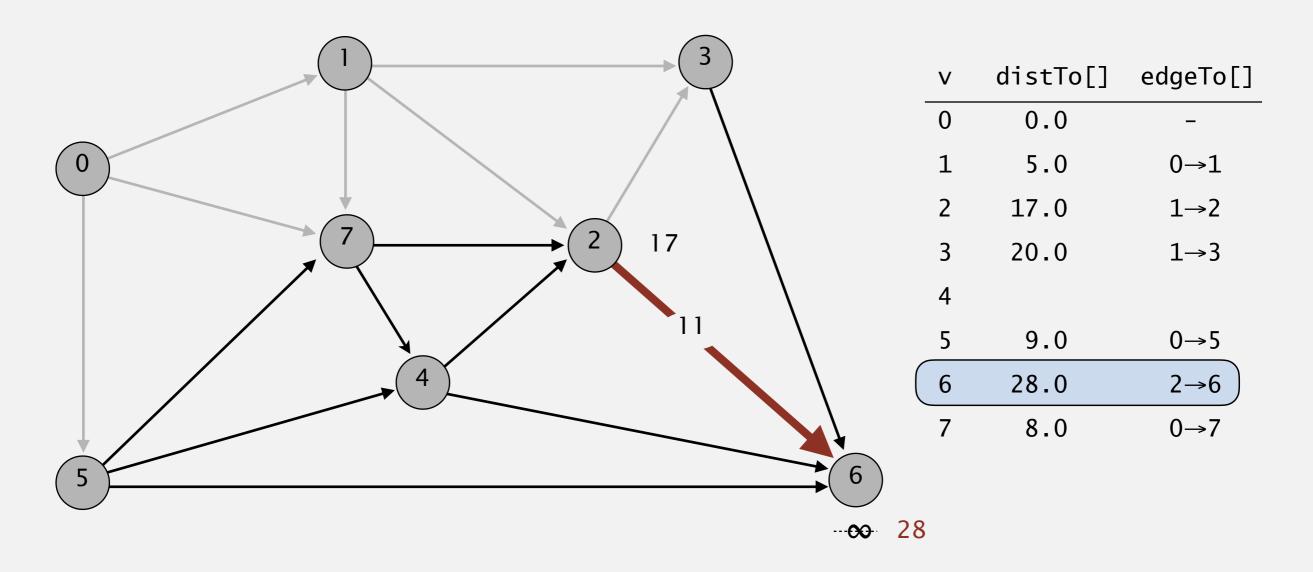
 $0 \rightarrow 1 \quad 0 \rightarrow 5 \quad 0 \rightarrow 7 \quad 1 \rightarrow 2 \quad 1 \rightarrow 3 \quad 1 \rightarrow 7 \quad 2 \rightarrow 3 \quad 2 \rightarrow 6 \quad 3 \rightarrow 6 \quad 4 \rightarrow 2 \quad 4 \rightarrow 6 \quad 5 \rightarrow 4 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 7 \rightarrow 7 \quad 7 \rightarrow$

Repeat V-1 times: relax all E edges.



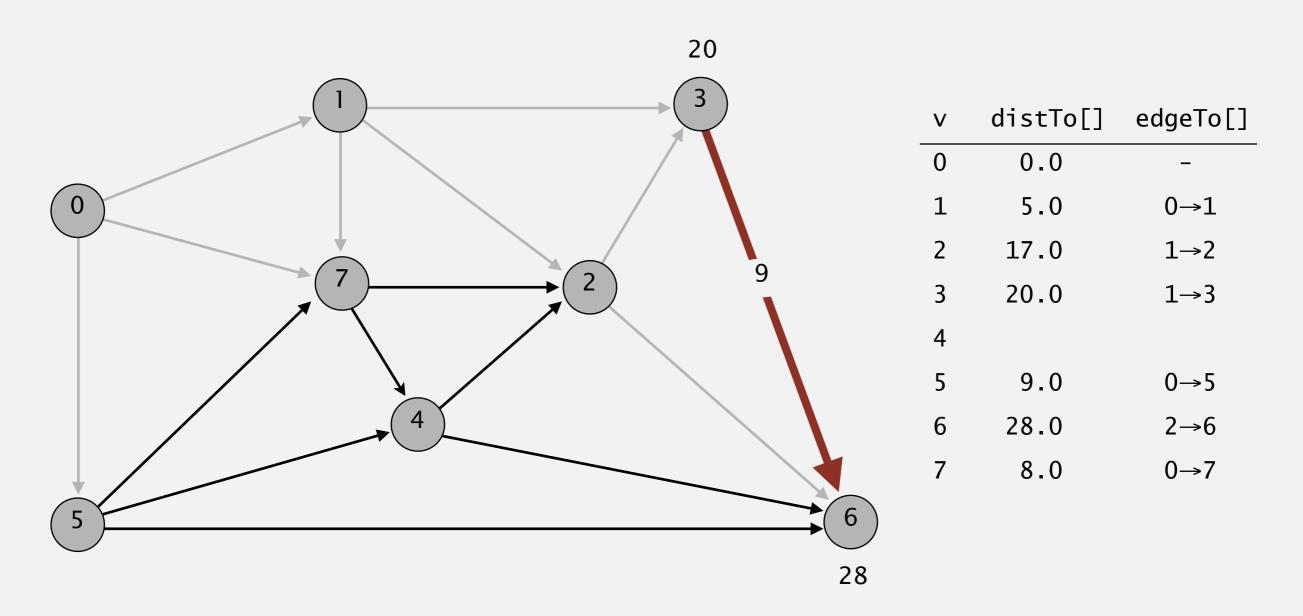
pass 1

Repeat V-1 times: relax all E edges.



pass 1

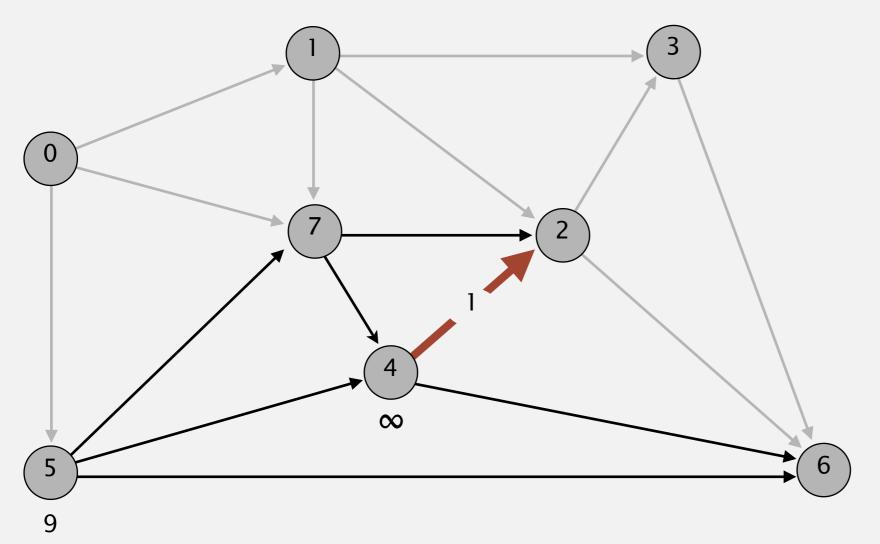
Repeat V-1 times: relax all E edges.



pass 1

 $0 \rightarrow 1 \quad 0 \rightarrow 5 \quad 0 \rightarrow 7 \quad 1 \rightarrow 2 \quad 1 \rightarrow 3 \quad 1 \rightarrow 7 \quad 2 \rightarrow 3 \quad 2 \rightarrow 6 \quad 3 \rightarrow 6 \quad 4 \rightarrow 2 \quad 4 \rightarrow 6 \quad 5 \rightarrow 4 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 6 \quad 7 \rightarrow 7 \quad 7 \rightarrow$

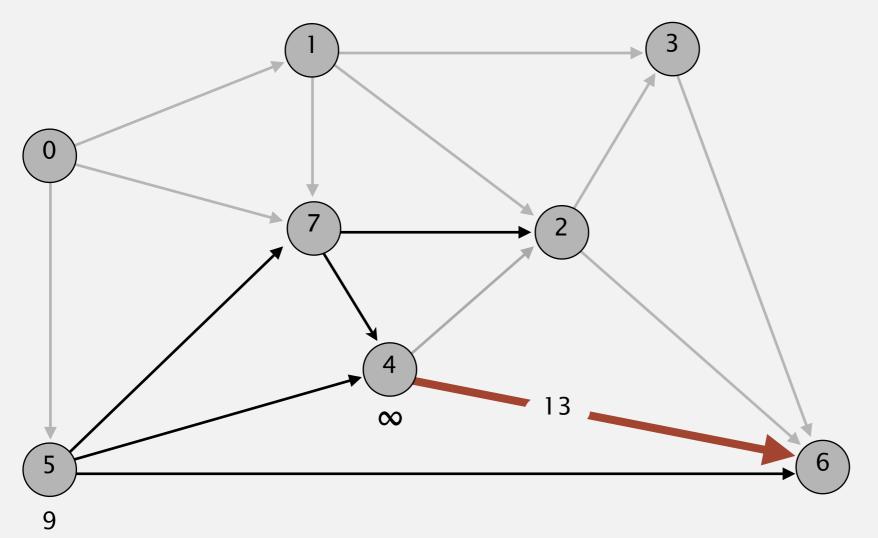
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	17.0	1→2
3	20.0	1→3
4		
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

Repeat V-1 times: relax all E edges.

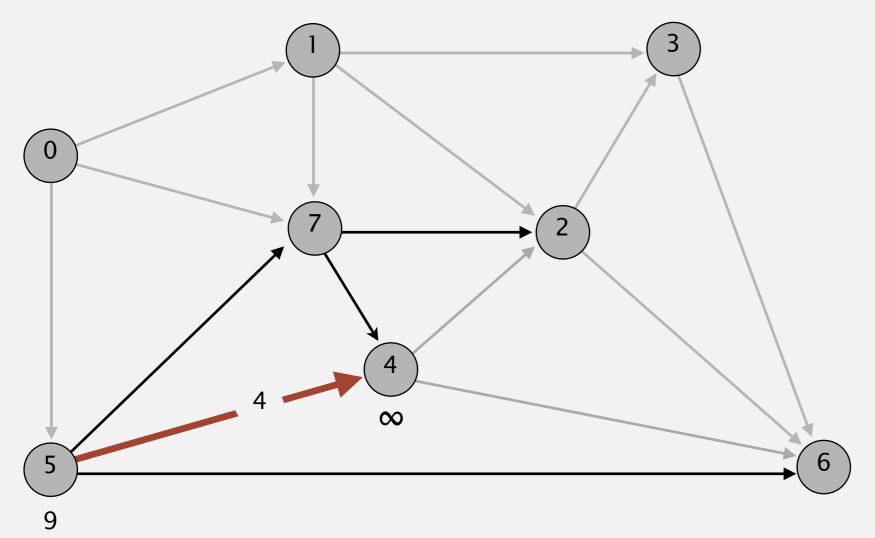


V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	17.0	1→2
3	20.0	1→3
4		
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

 $0 \rightarrow 1 \quad 0 \rightarrow 5 \quad 0 \rightarrow 7 \quad 1 \rightarrow 2 \quad 1 \rightarrow 3 \quad 1 \rightarrow 7 \quad 2 \rightarrow 3 \quad 2 \rightarrow 6 \quad 3 \rightarrow 6 \quad 4 \rightarrow 2 \quad 4 \rightarrow 6 \quad 5 \rightarrow 4 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 6 \quad 7 \rightarrow 7 \quad 7 \rightarrow$

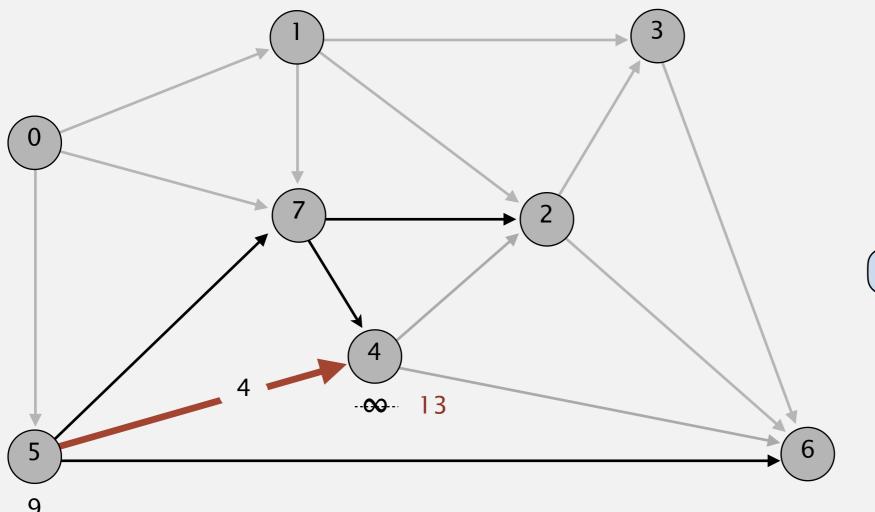
Repeat V-1 times: relax all E edges.



٧	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	17.0	1→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

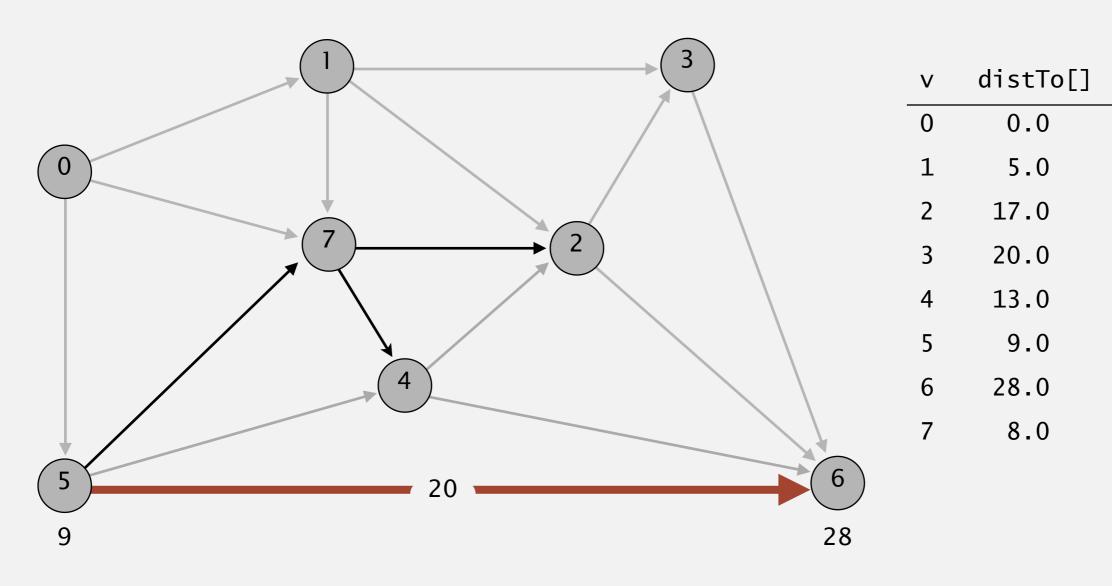
Repeat V-1 times: relax all E edges.



٧	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	17.0	1→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

Repeat V-1 times: relax all E edges.



pass 1

 $0 \rightarrow 1 \ 0 \rightarrow 5 \ 0 \rightarrow 7 \ 1 \rightarrow 2 \ 1 \rightarrow 3 \ 1 \rightarrow 7 \ 2 \rightarrow 3 \ 2 \rightarrow 6 \ 3 \rightarrow 6 \ 4 \rightarrow 2 \ 4 \rightarrow 6 \ 5 \rightarrow 4 \ 5 \rightarrow 6 \ 5 \rightarrow 7 \ 7 \rightarrow 2 \ 7 \rightarrow 4$

edgeTo[]

0→1

1→2

1→3

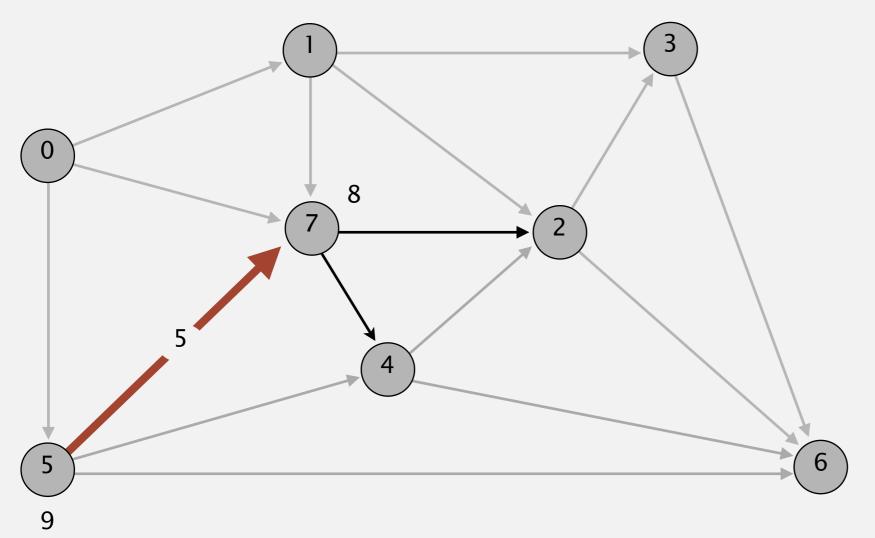
5→4

0→5

2→6

0→7

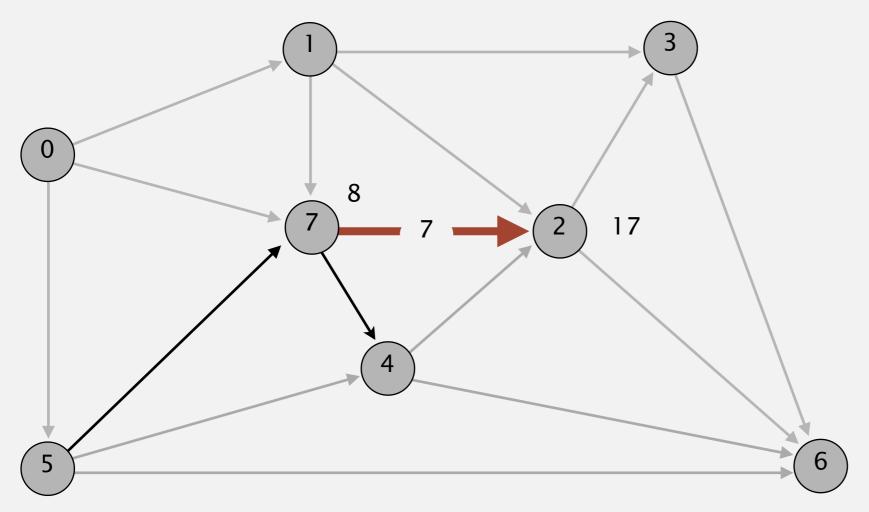
Repeat V-1 times: relax all E edges.



٧	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	17.0	1→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

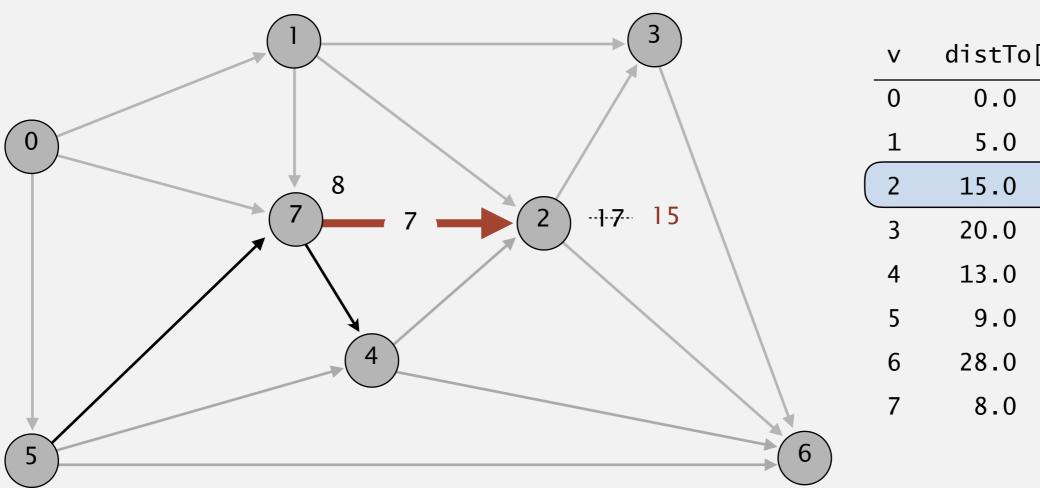
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	17.0	1→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

Repeat V-1 times: relax all E edges.

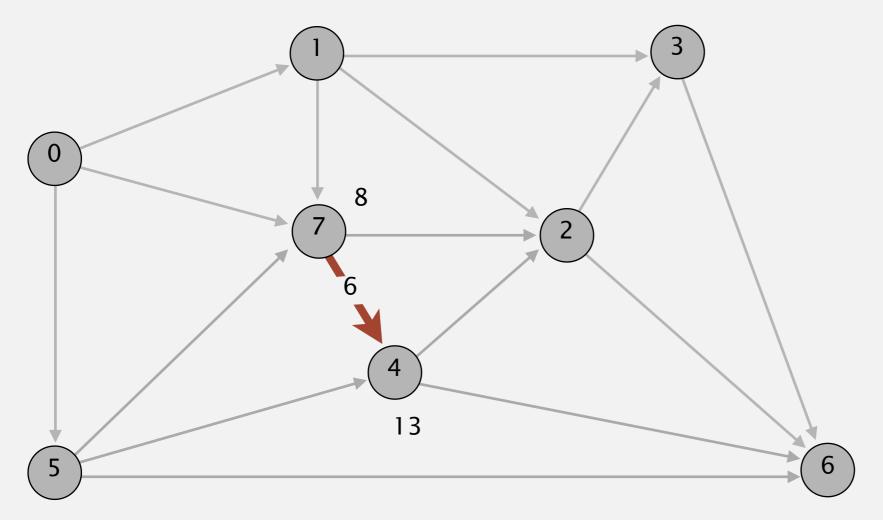


	V	distTo[]	edgeTo[]
•	0	0.0	_
	1	5.0	0→1
	2	15.0	7→2
	3	20.0	1→3
	4	13.0	5→4
	5	9.0	0→5
	6	28.0	2→6
	7	8.0	0→7

pass 1



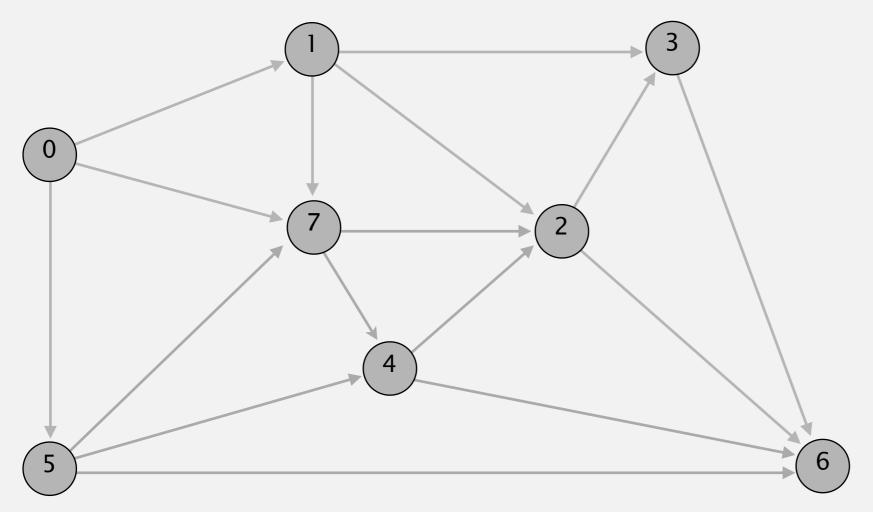
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

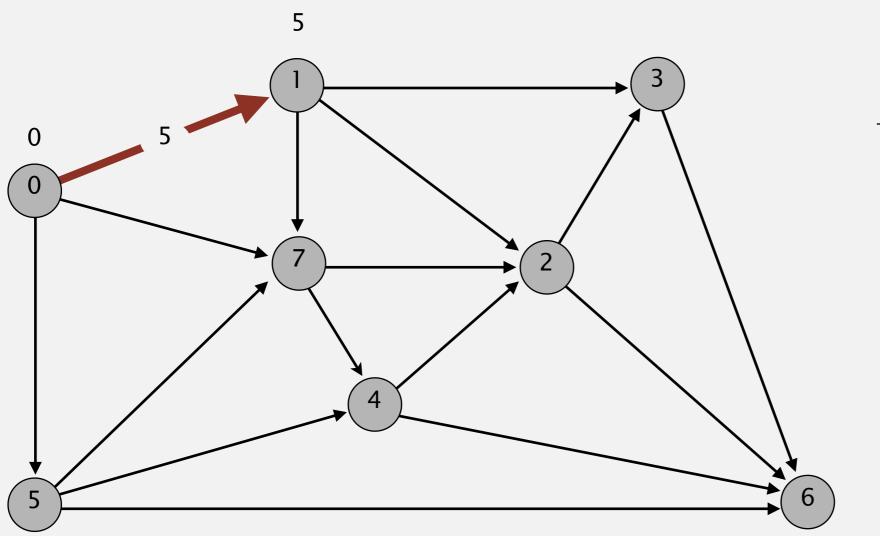
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 1

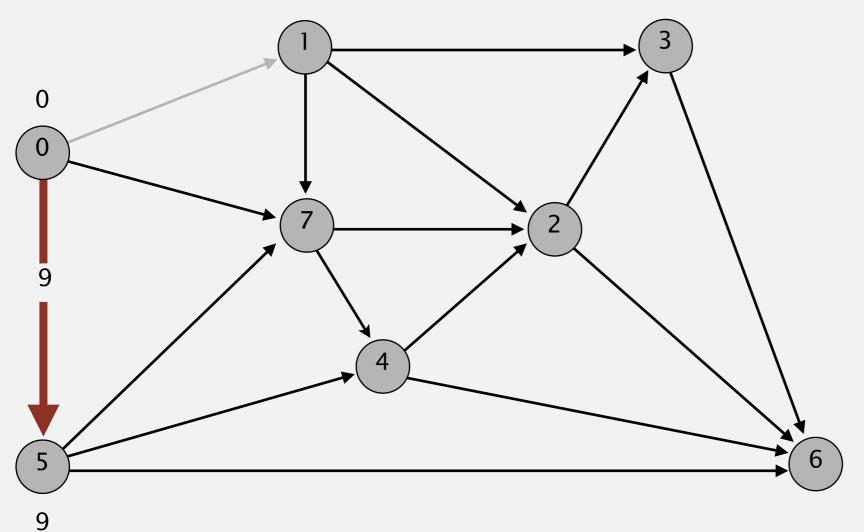
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 2

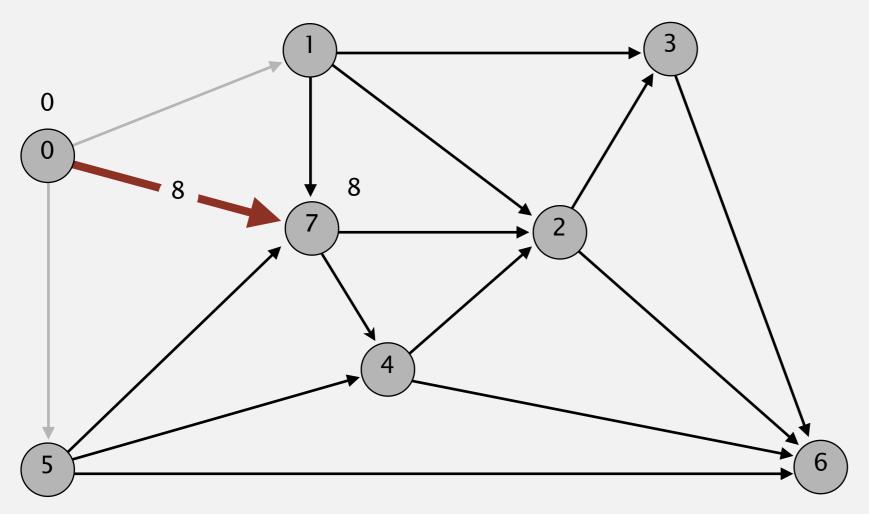
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 2

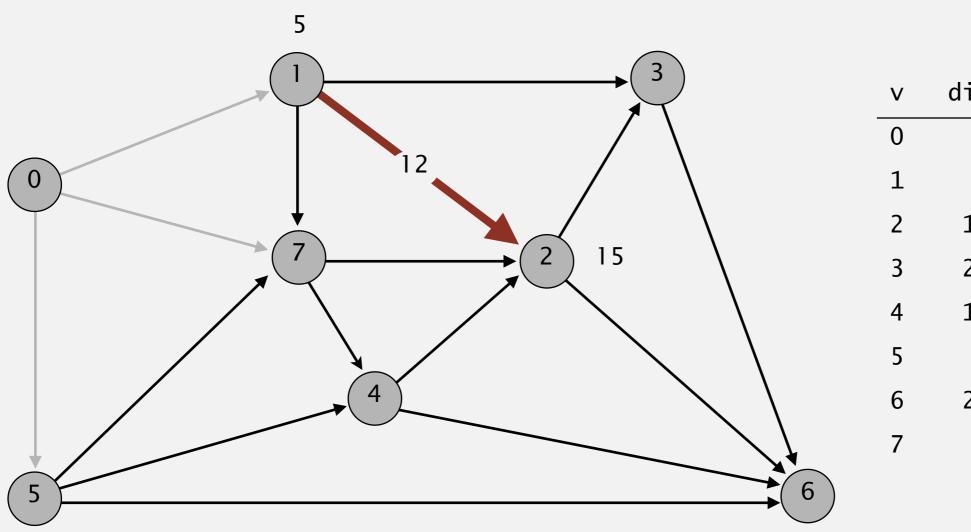
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 2

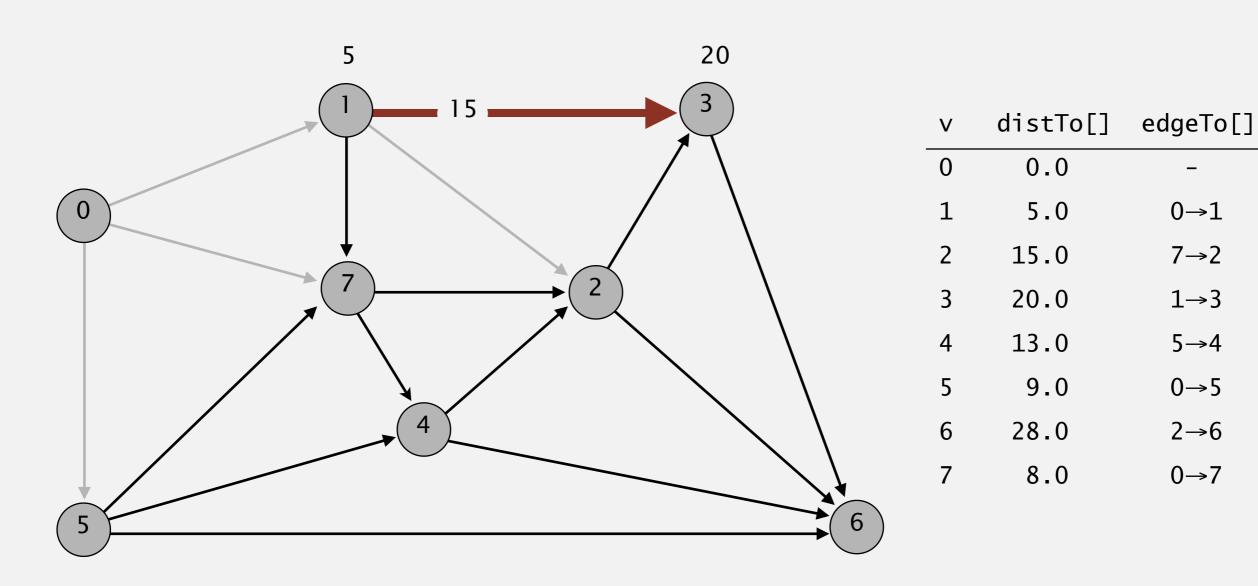
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 2

Repeat V-1 times: relax all E edges.



pass 2

0→1

7→2

1→3

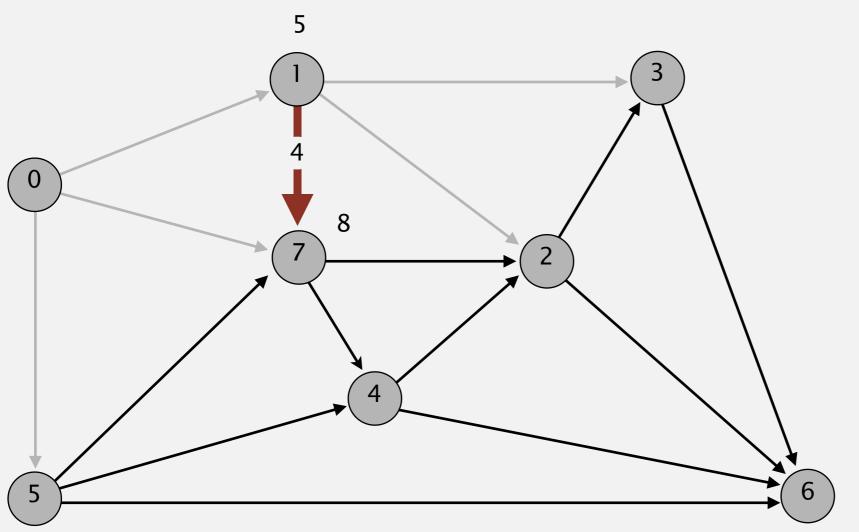
5→4

0→5

2→6

0→7

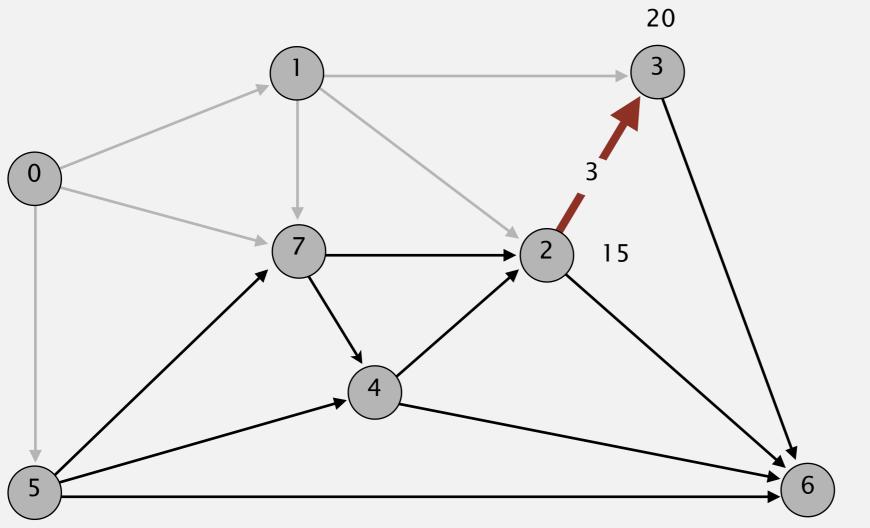
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 2

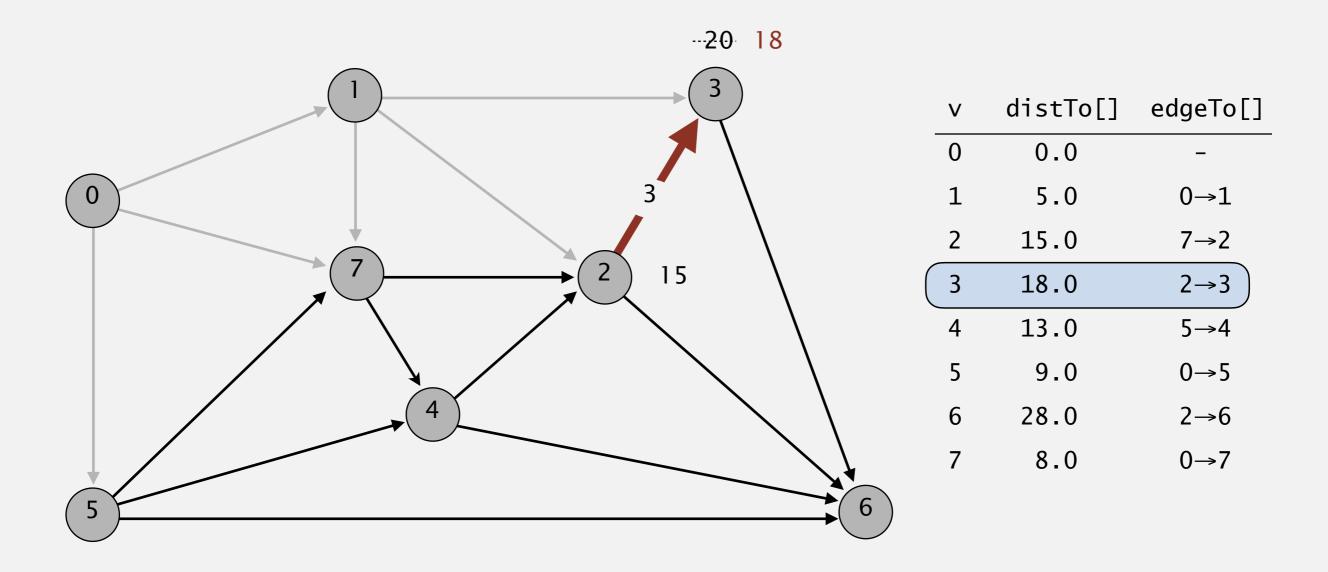
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	20.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

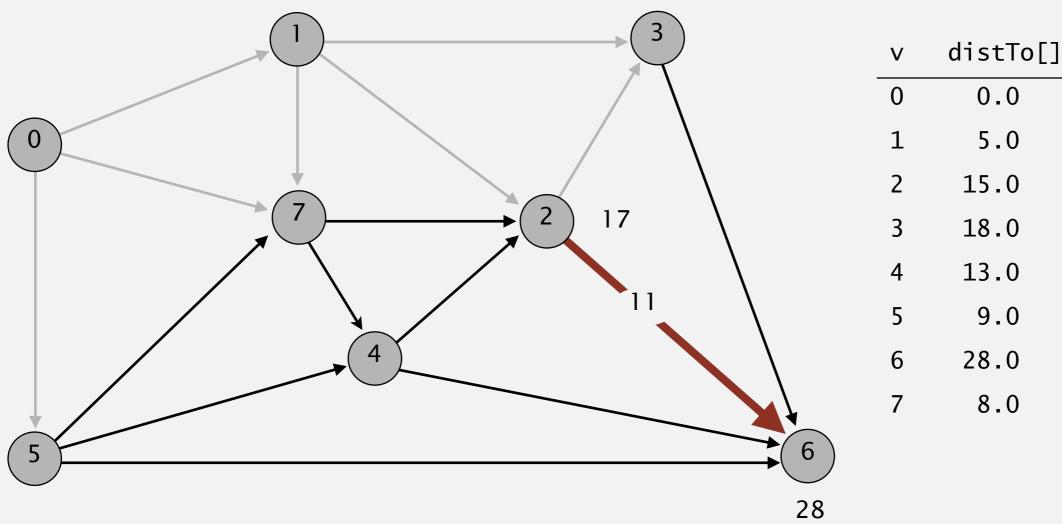
pass 2

Repeat V-1 times: relax all E edges.



pass 2

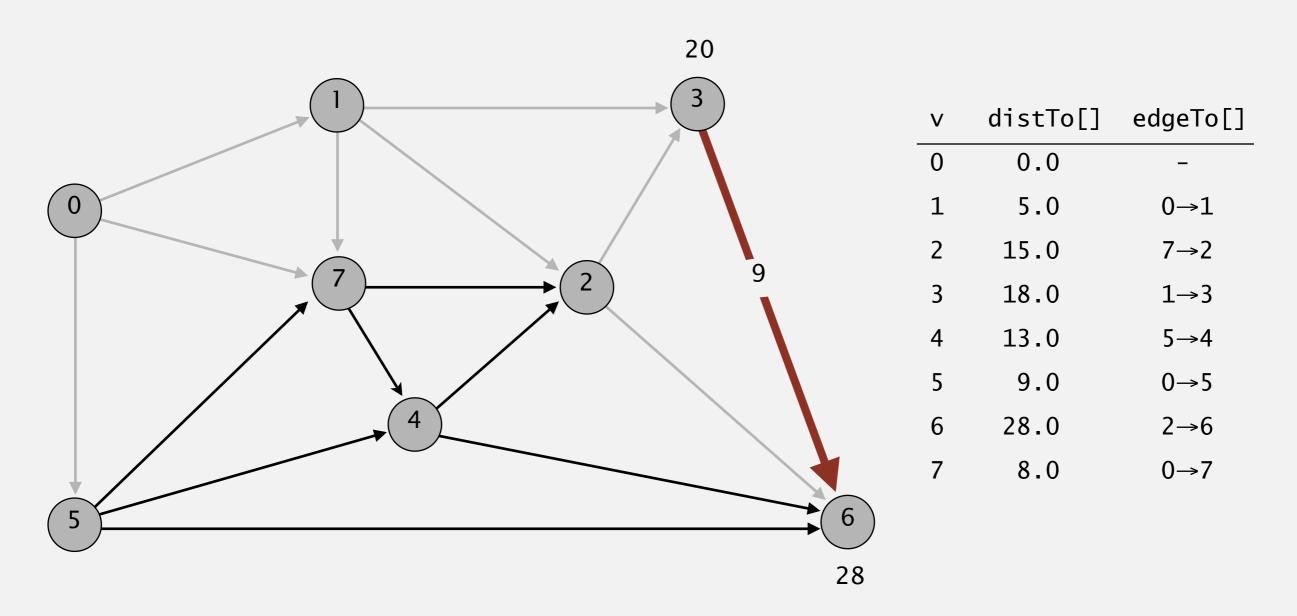
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	15.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

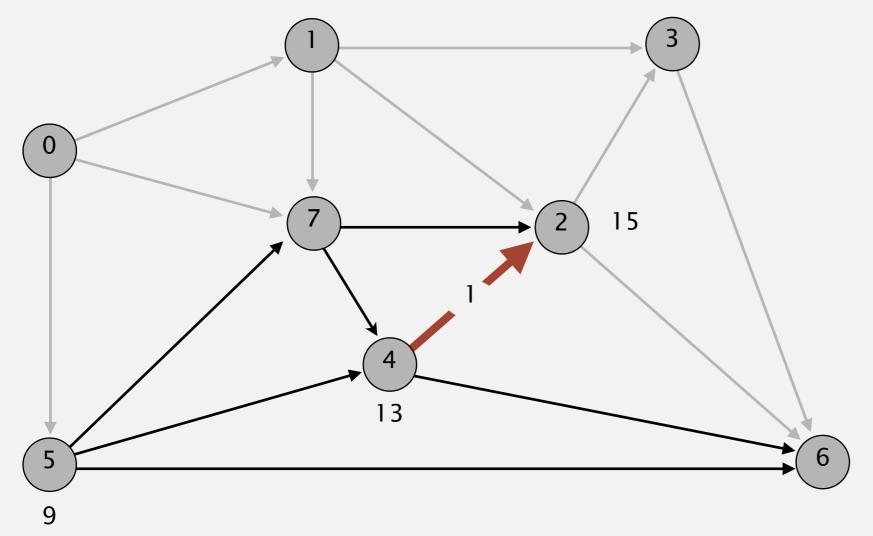
pass 2

Repeat V-1 times: relax all E edges.



pass 2

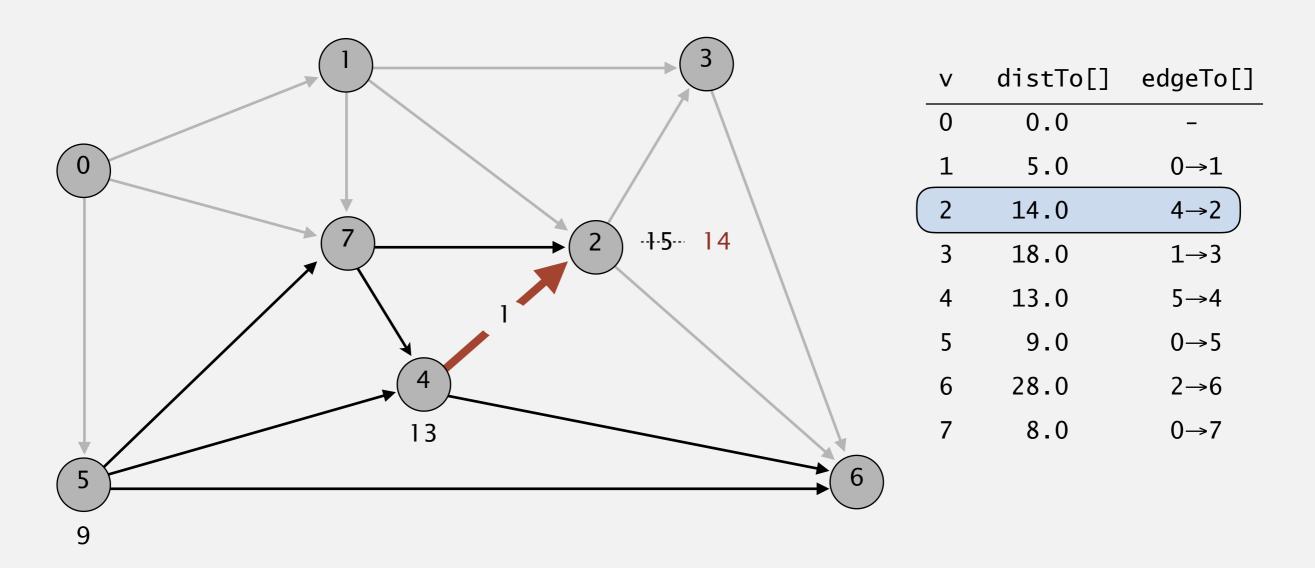
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	15.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

pass 2

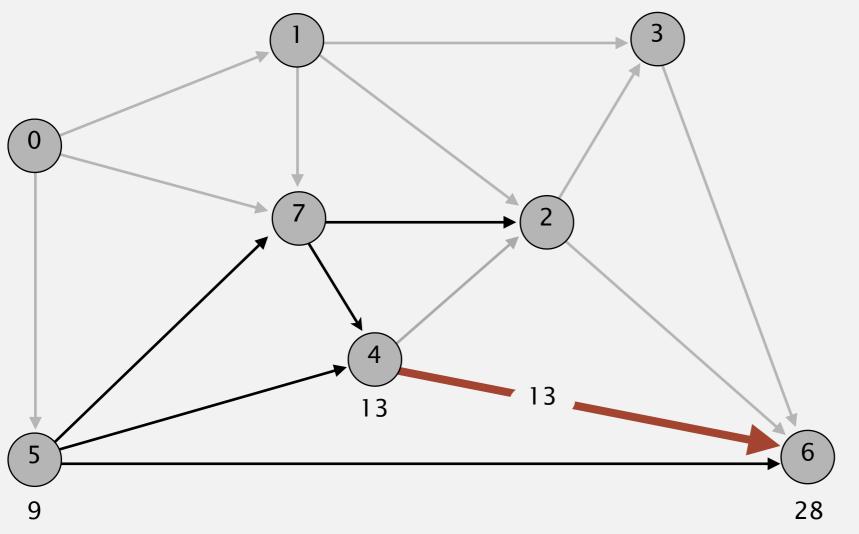
Repeat V-1 times: relax all E edges.



pass 2

 $0 \rightarrow 1 \quad 0 \rightarrow 5 \quad 0 \rightarrow 7 \quad 1 \rightarrow 2 \quad 1 \rightarrow 3 \quad 1 \rightarrow 7 \quad 2 \rightarrow 3 \quad 2 \rightarrow 6 \quad 3 \rightarrow 6 \quad 4 \rightarrow 2 \quad 4 \rightarrow 6 \quad 5 \rightarrow 4 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 4 \quad 4 \rightarrow 6 \quad 5 \rightarrow 6 \quad 5 \rightarrow 7 \quad 7 \rightarrow 2 \quad 7 \rightarrow 6 \quad 7 \rightarrow 7 \quad 7 \rightarrow$

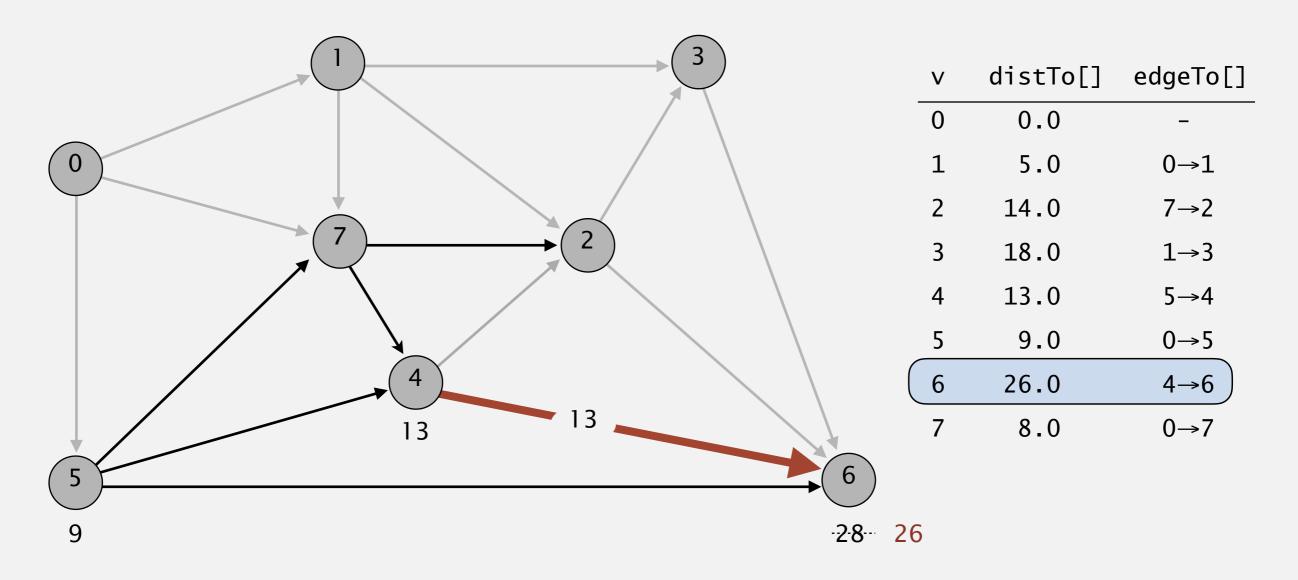
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	28.0	2→6
7	8.0	0→7

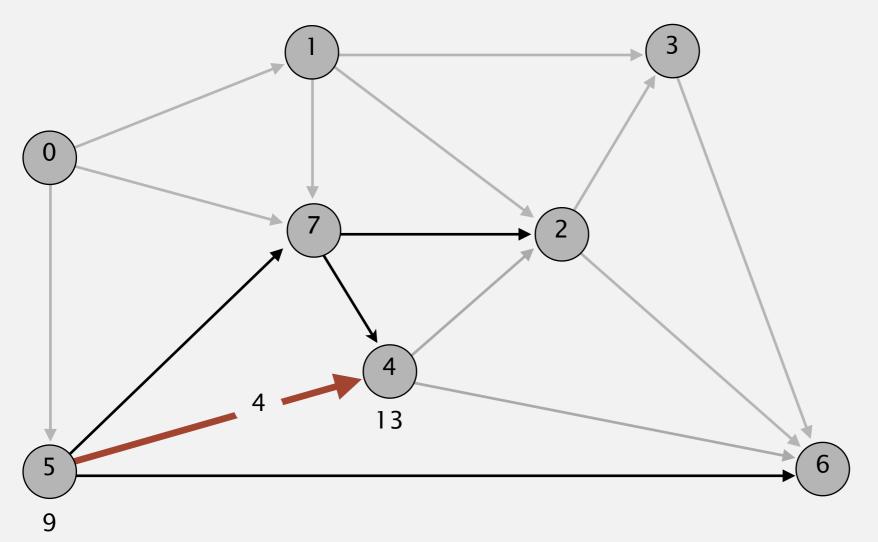
pass 2

Repeat V-1 times: relax all E edges.



pass 2

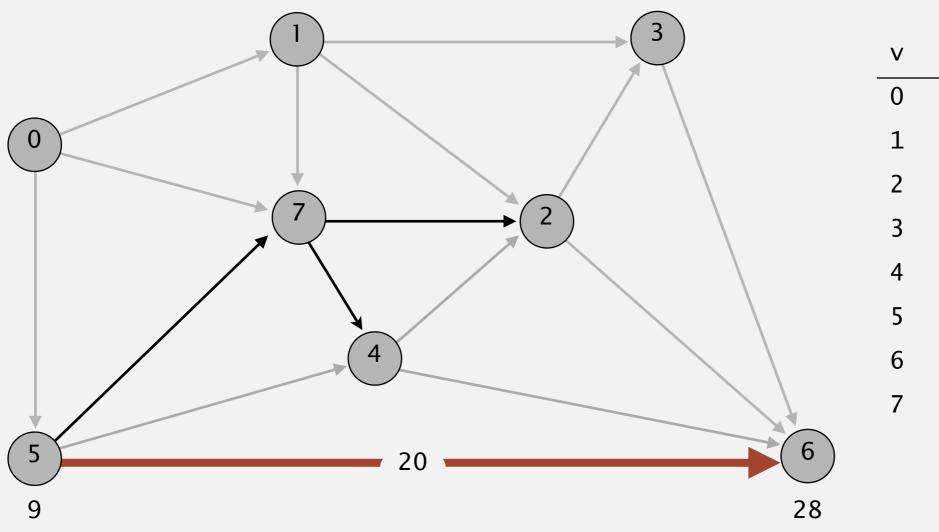
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

pass 2

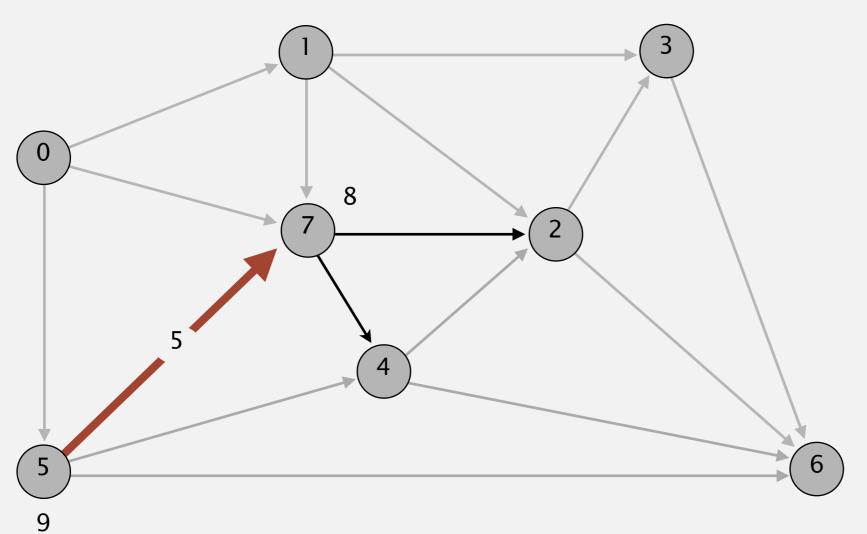
Repeat V-1 times: relax all E edges.



distTo[]	edgeTo[]
0.0	-
5.0	0→1
14.0	7→2
18.0	1→3
13.0	5→4
9.0	0→5
26.0	4→6
8.0	0→7
	0.0 5.0 14.0 18.0 13.0 9.0 26.0

pass 2

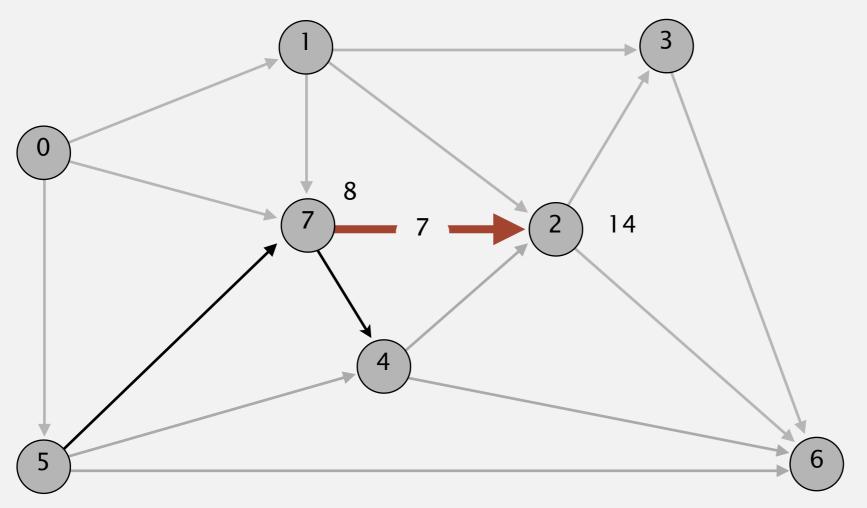
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

pass 2

Repeat V-1 times: relax all E edges.

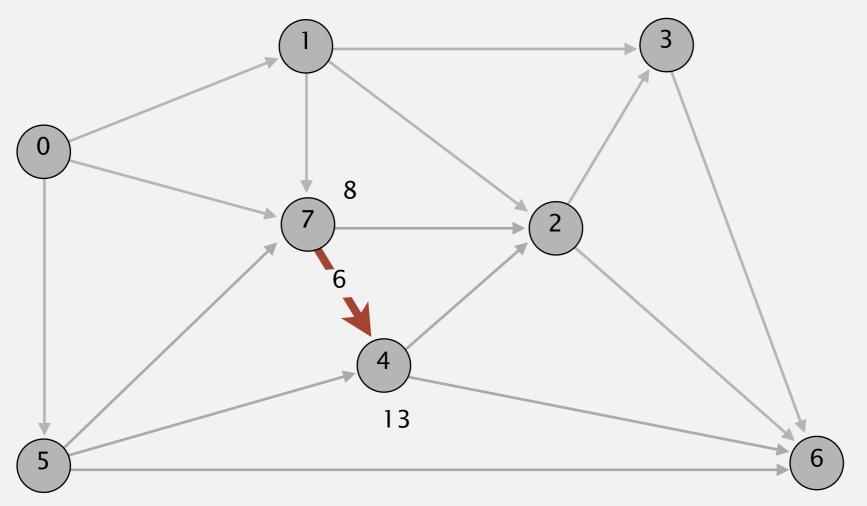


V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

pass 2



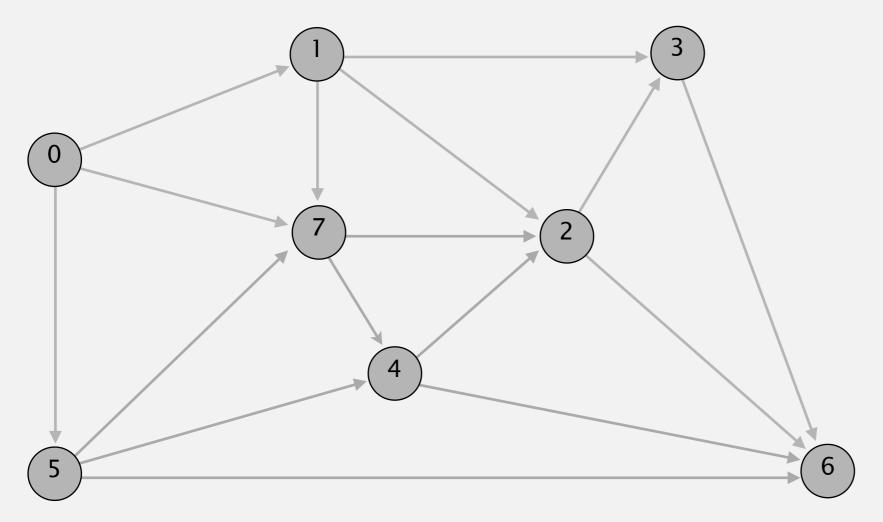
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

pass 2

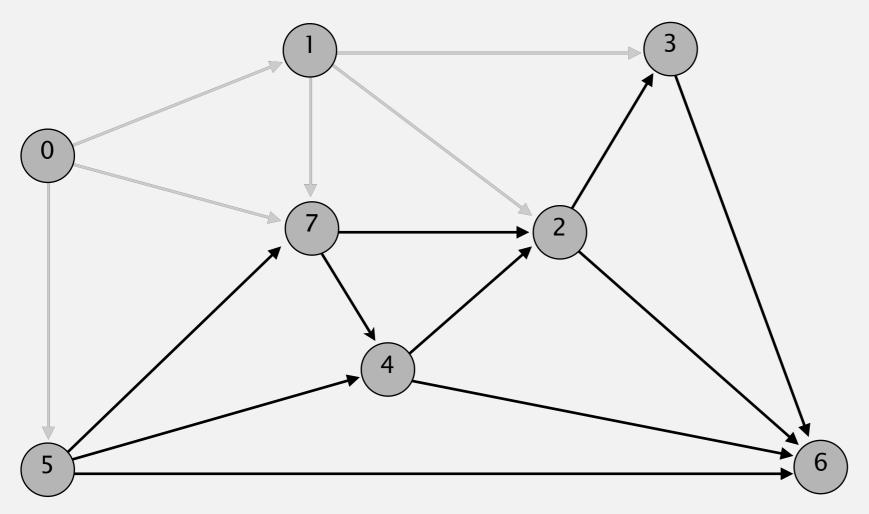
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

pass 2

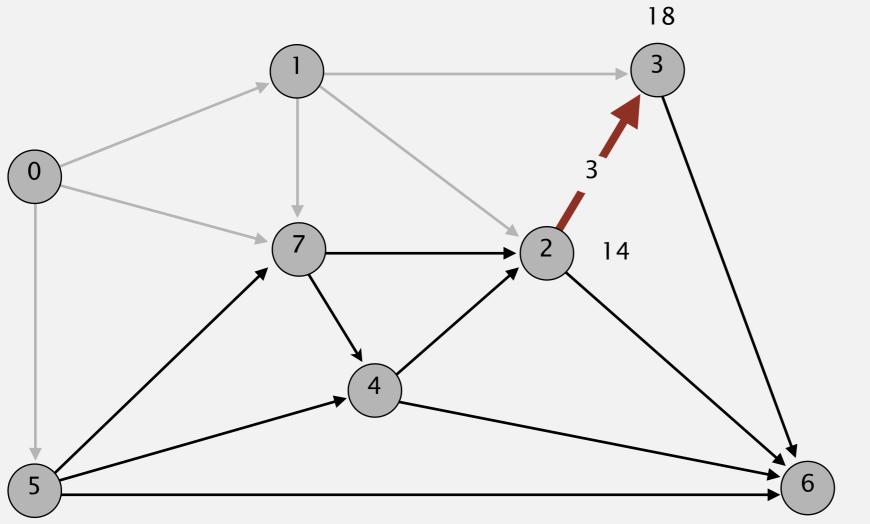
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

pass 3

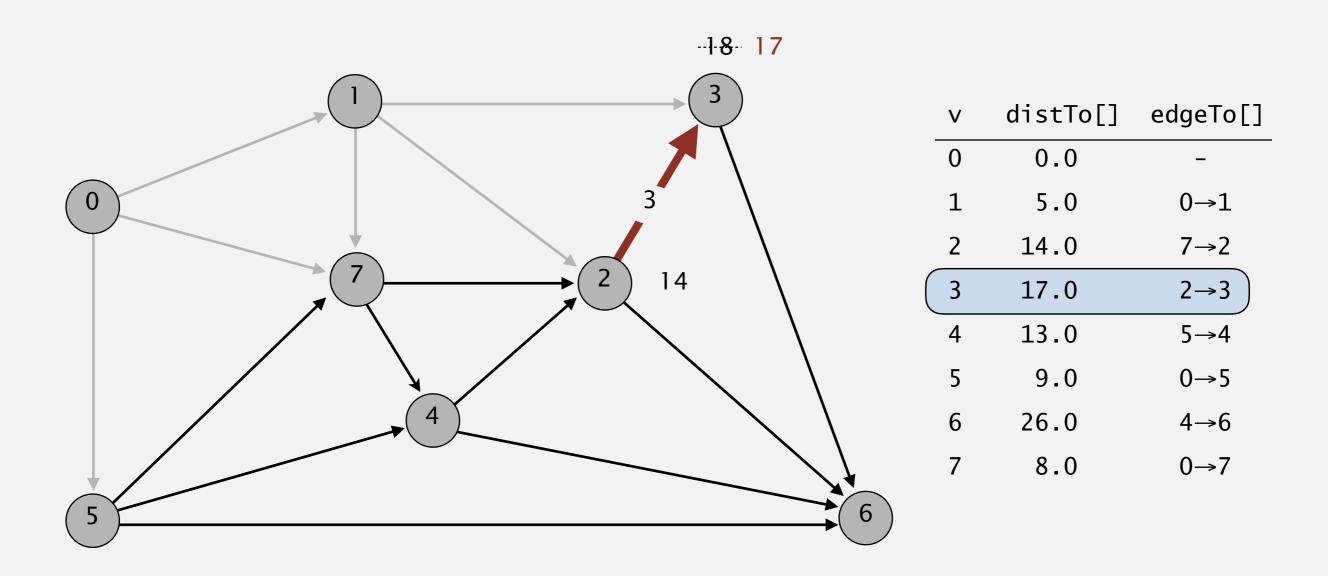
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	18.0	1→3
4	13.0	5→4
5	9.0	0→5
6	26.0	4→6
7	8.0	0→7

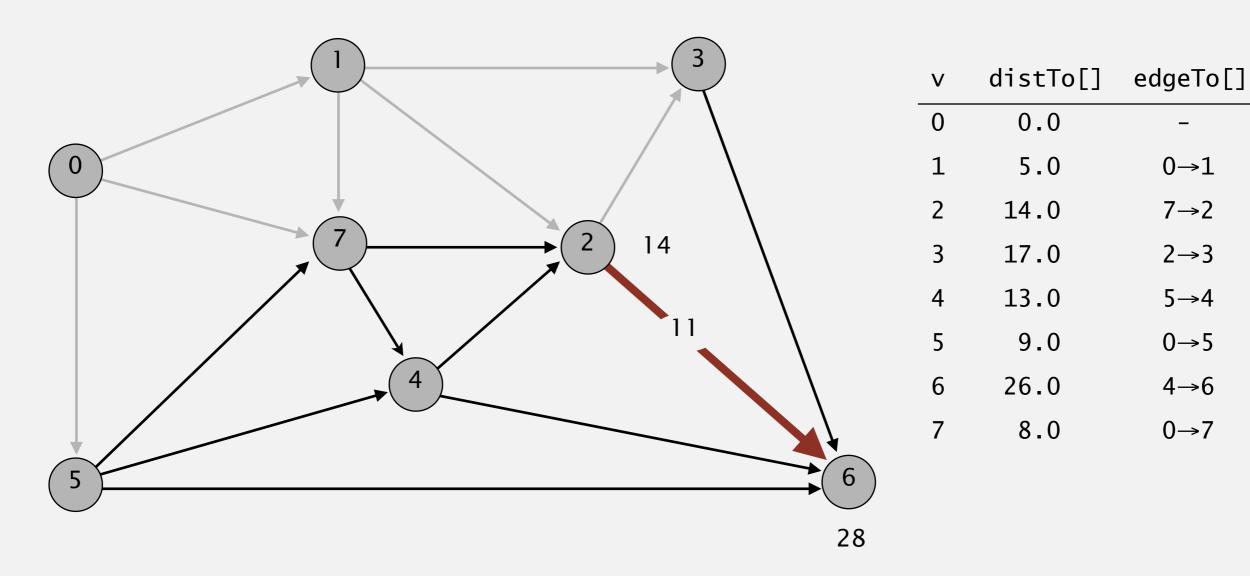
pass 3

Repeat V-1 times: relax all E edges.



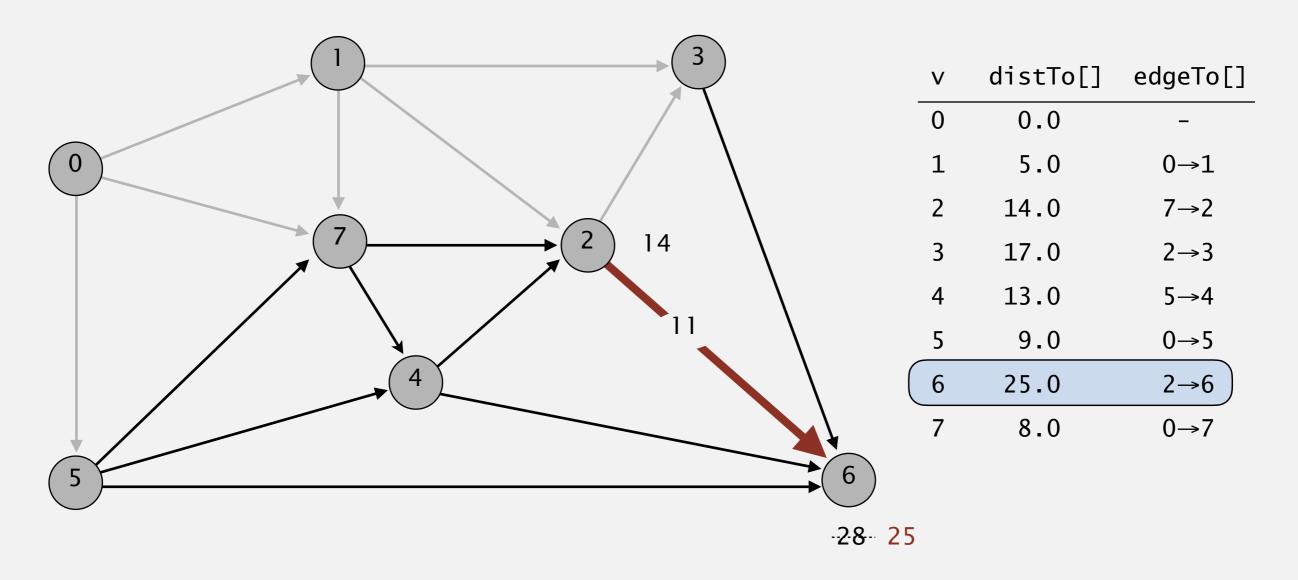
pass 3

Repeat V-1 times: relax all E edges.



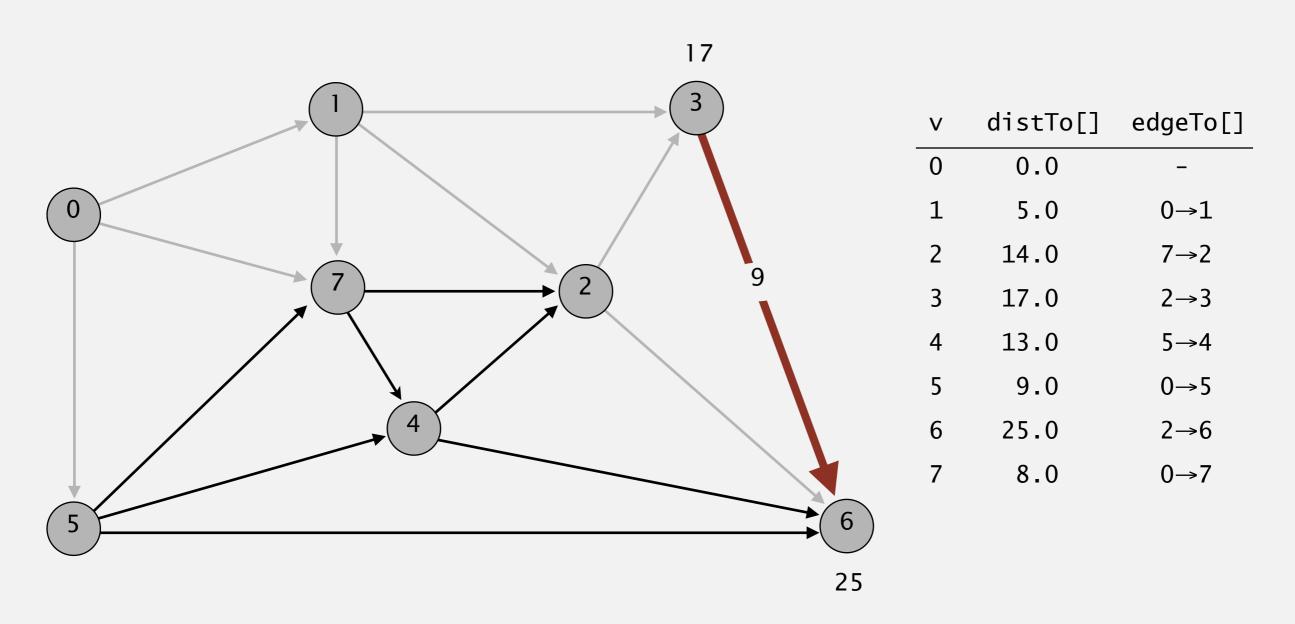
pass 3

Repeat V-1 times: relax all E edges.



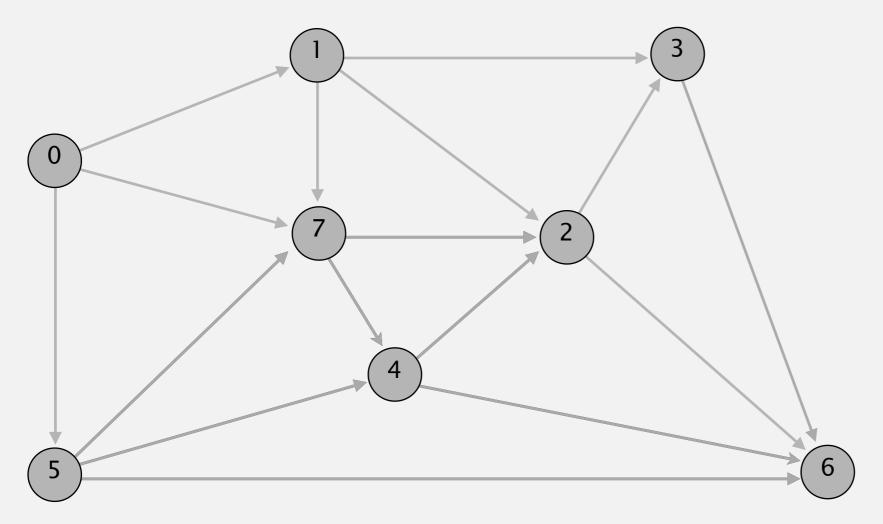
pass 3

Repeat V-1 times: relax all E edges.



pass 3

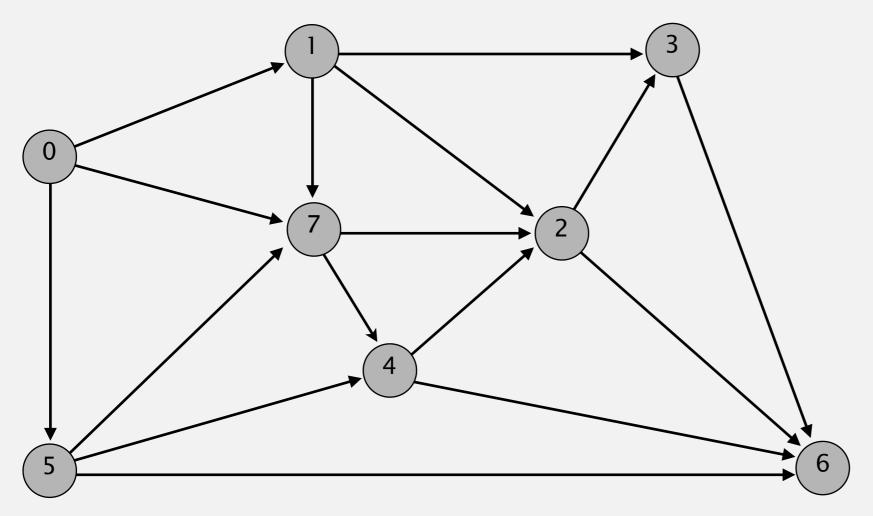
Repeat V-1 times: relax all E edges.



٧	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	14.0	7→2
3	17.0	2→3
4	13.0	5→4
5	9.0	0→5
6	25.0	2→6
7	8.0	0→7

pass 3

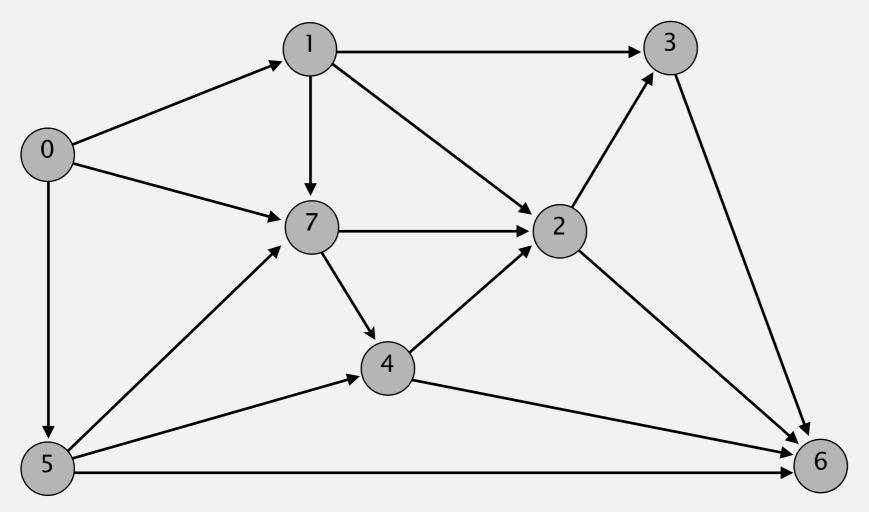
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	17.0	2→3
4	13.0	5→4
5	9.0	0→5
6	25.0	2→6
7	8.0	0→7

pass 4 (no changes)

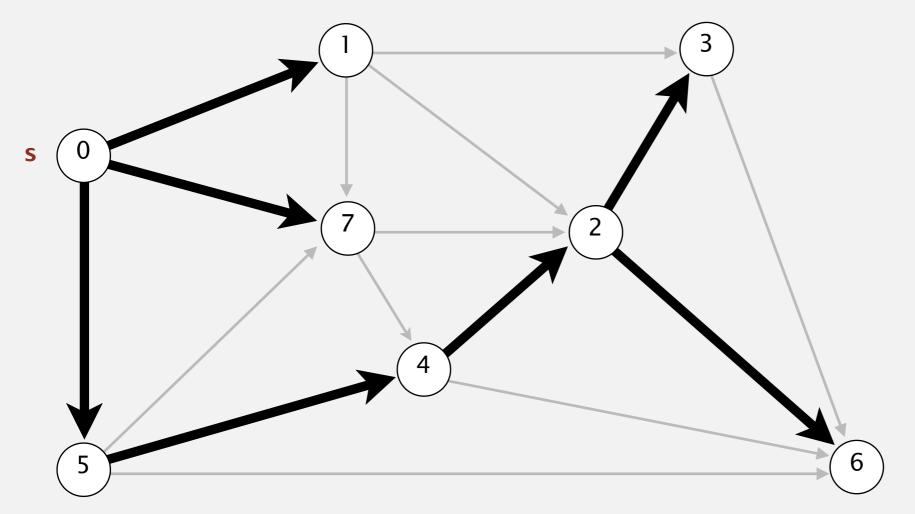
Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	-
1	5.0	0→1
2	14.0	7→2
3	17.0	2→3
4	13.0	5→4
5	9.0	0→5
6	25.0	2→6
7	8.0	0→7

passes 5, 6, and 7 (no changes)

Repeat V-1 times: relax all E edges.



V	distTo[]	edgeTo[]
0	0.0	_
1	5.0	0→1
2	14.0	7→2
3	17.0	2→3
4	13.0	5→4
5	9.0	0→5
6	25.0	2→6
7	8.0	0→7

shortest-paths tree from vertex s