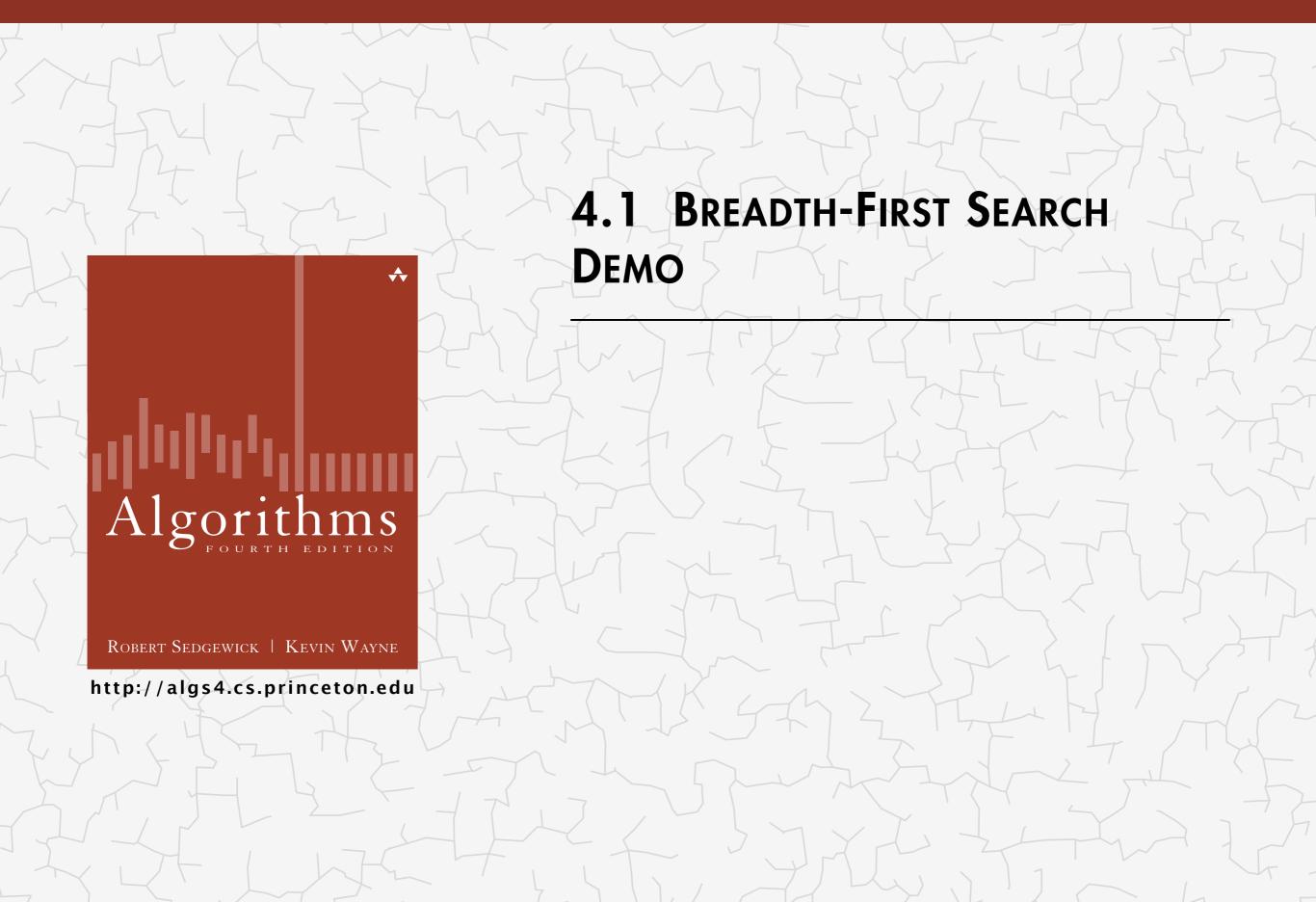
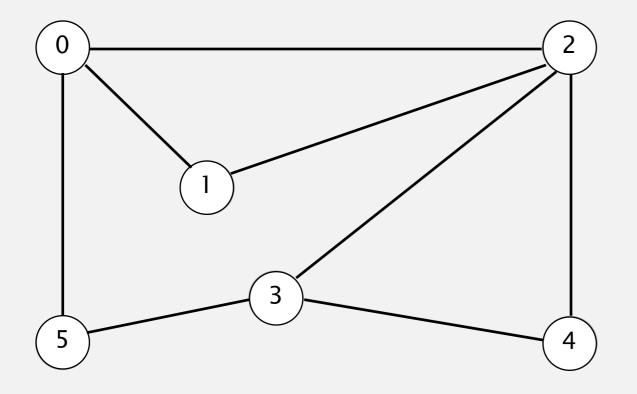
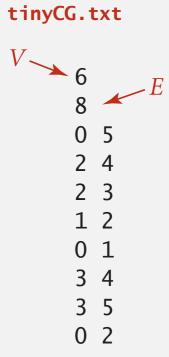
Algorithms

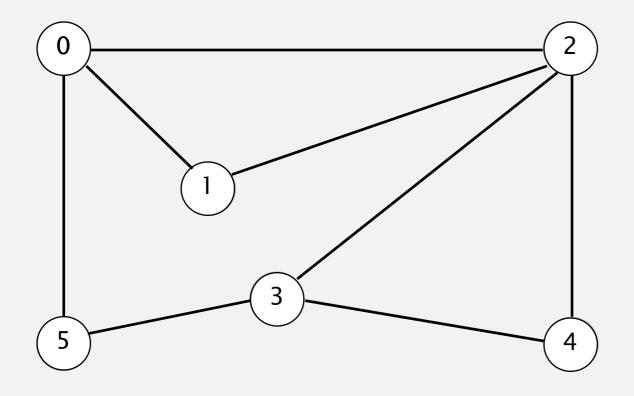


- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



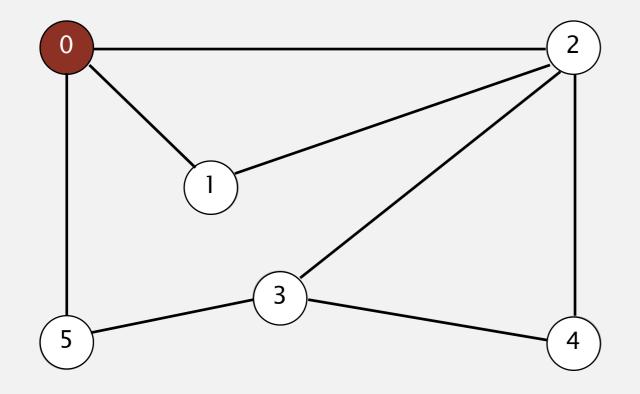


- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



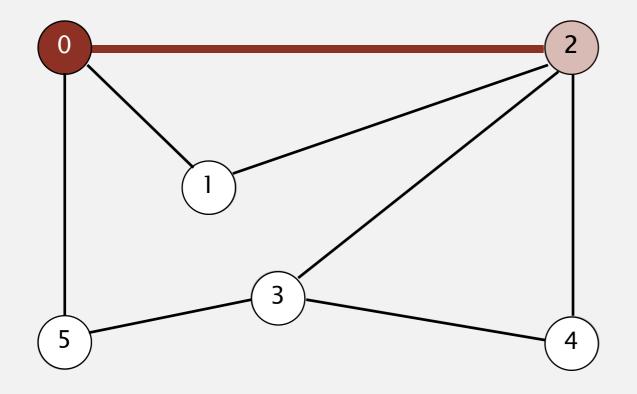
queue	V	edgeTo[]	distTo[]
	0	_	0
	1	_	_
	2	_	_
	3	_	_
	4	_	_
	5	_	_

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



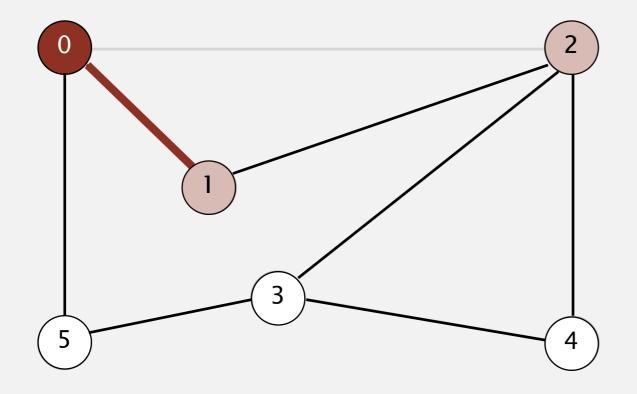
queue	v	edgeTo[]	distTo[]
	0	-	0
	1	_	_
	2	_	_
	3	_	_
	4	_	_
	5	_	_
0			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



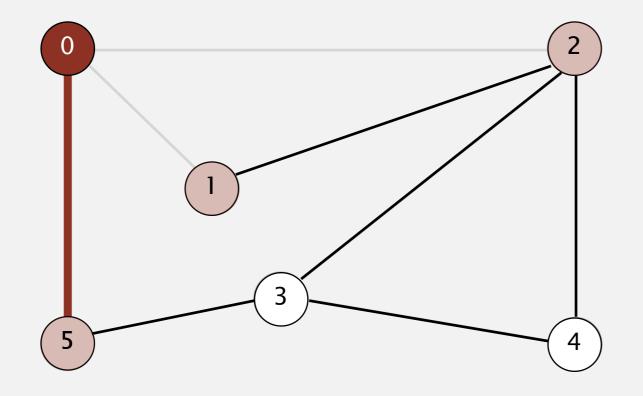
queue	V	edgeTo[]	distTo[]
	0	_	0
	1	_	_
	2	0	1
	3	_	_
	4	_	_
	5	_	_

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



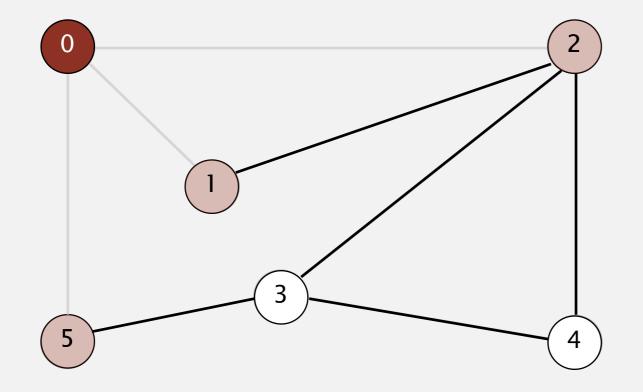
ueue)	v	edgeTo[]	distTo[]
		0	_	0
		1	0	1
		2	0	1
		3	_	_
		4	_	_
		5	_	_
2				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



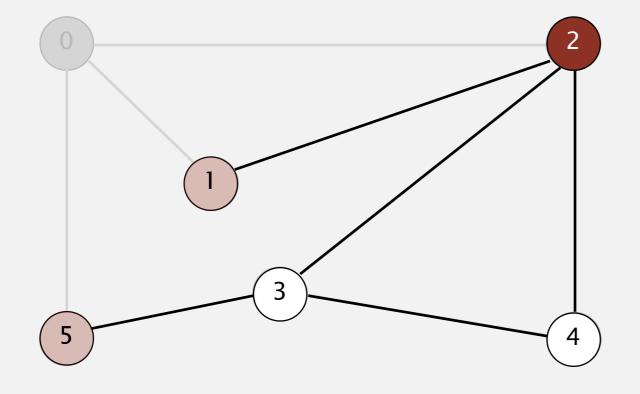
queue	v	edgeTo[]	distTo[]
	0	-	0
	1	0	1
	2	0	1
	3	_	_
	4	_	_
1	5	0	1
2			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



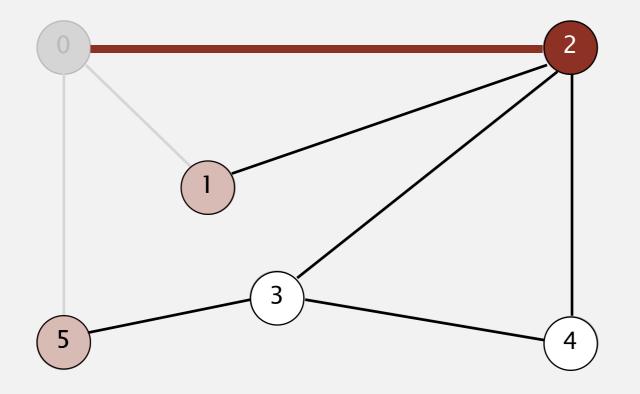
queue	v	edgeTo[]	distTo[]
	0	-	0
	1	0	1
	2	0	1
_	3	_	_
5	4	-	_
1	5	0	1
2			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



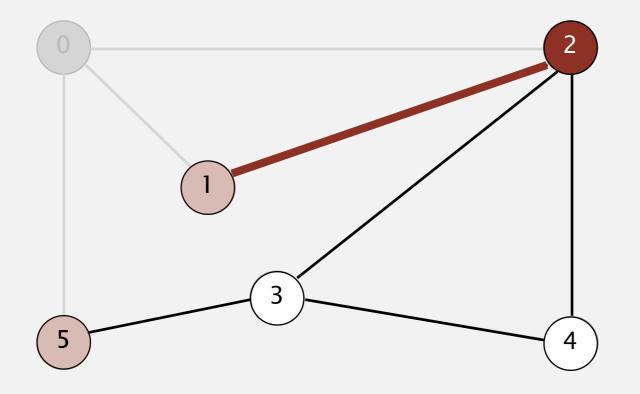
queue	V	/	edgeTo[]	distTo[]
	_)	-	0
	1		0	1
	2	2	0	1
	3	3	_	_
5	۷	1	_	_
1	5	5	0	1
2				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



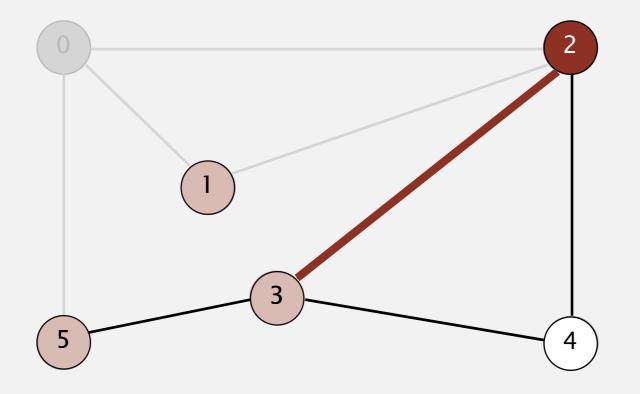
queue	v	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	_	_
	4	_	_
5	5	0	1
1			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



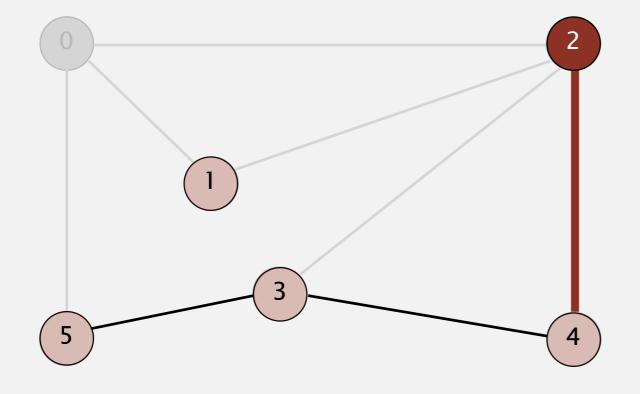
queue	v	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	_	_
	4	_	_
5	5	0	1
1			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



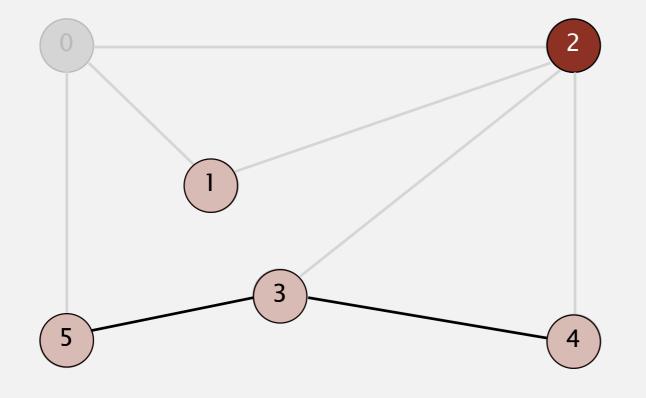
queue	v	'	edgeTo[]	distTo[]
	0)	_	0
	1		0	1
	2)	0	1
	3)	2	2
	4	-	_	_
5	5)	0	1
1				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



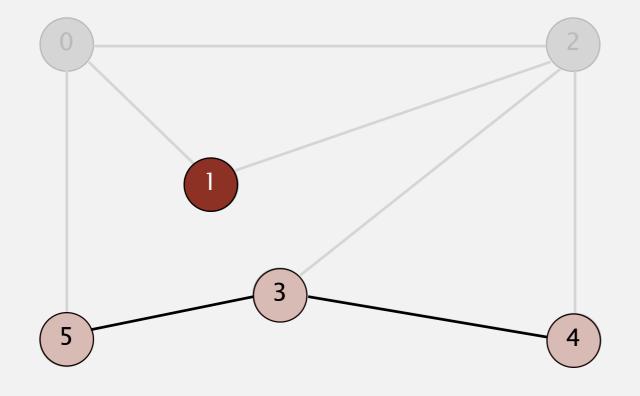
queue		′	edgeTo[]	distTo[]
	C)	_	0
	1		0	1
	2	<u> </u>	0	1
	3	3	2	2
3	۷	1	2	2
5	5	5	0	1
1				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



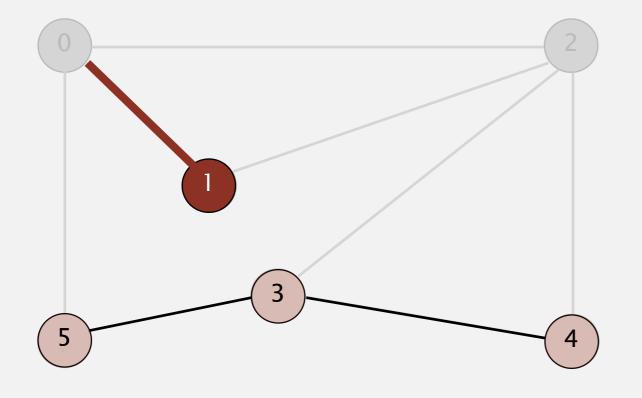
queue	v	edgeT	o[] distTo[]
	0	_	0	
	1	0	1	
4	2	0	1	
	3	2	2	
3	4	. 2	2	
5	5	0	1	
1				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



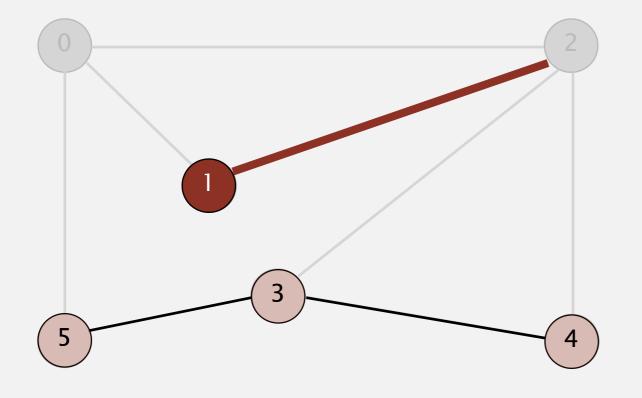
queue	v	edgeTo[]	distTo[]
	0	_	0
	1	0	1
4	2	0	1
	3	2	2
3	4	2	2
5	5	0	1
1			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



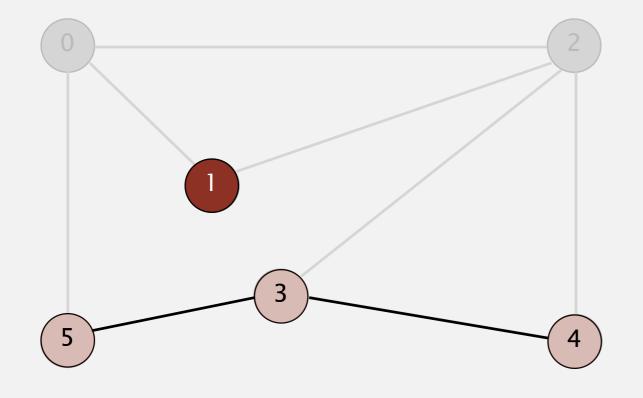
queue	V	edgeTo[]	distTo[]
	0	-	0
	1	0	1
	2	0	1
	3	2	2
4	4	2	2
3	5	0	1
5			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



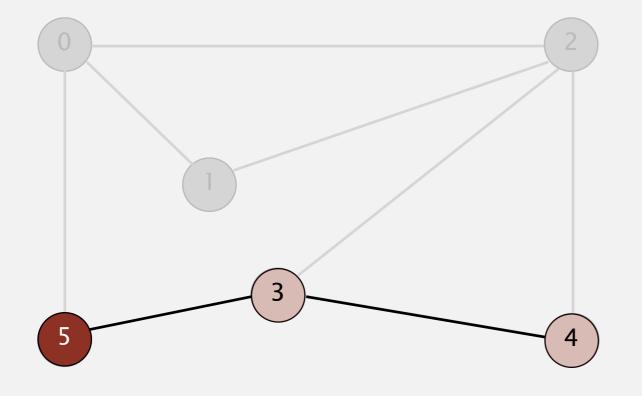
queue	v	,	edgeTo[]	distTo[]
	0)	_	0
	1		0	1
	2)	0	1
	3)	2	2
4	4	•	2	2
3	5		0	1
5				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



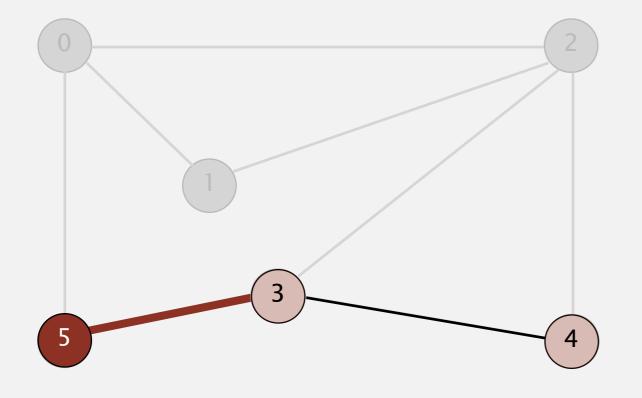
queue	v	,	edgeTo[]	distTo[]
	0)	_	0
	1		0	1
	2)	0	1
	3)	2	2
4	4	•	2	2
3	5		0	1
5				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



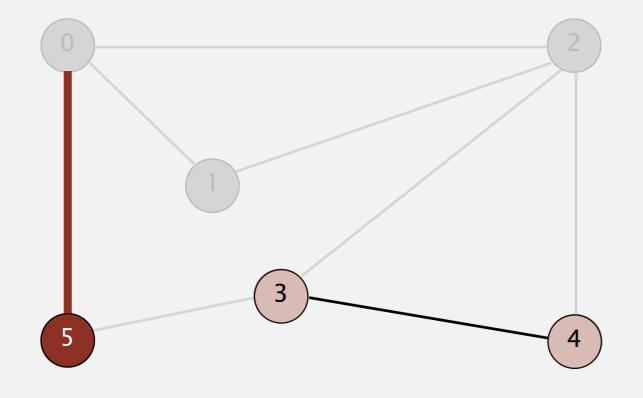
queue	V	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
4	4	2	2
3	5	0	1
5			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



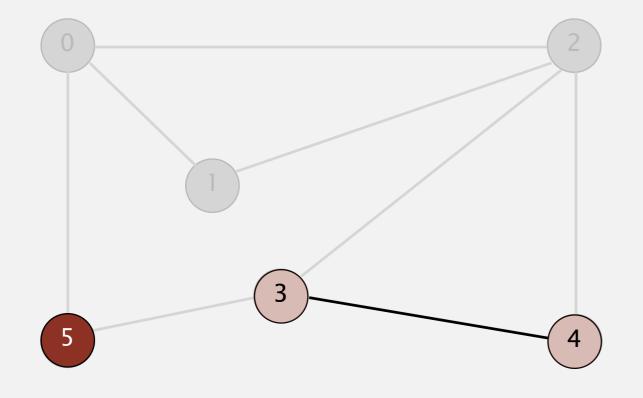
queue	v	edgeTo[]	distTo[]
	0	-	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
4	5	0	1
3			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



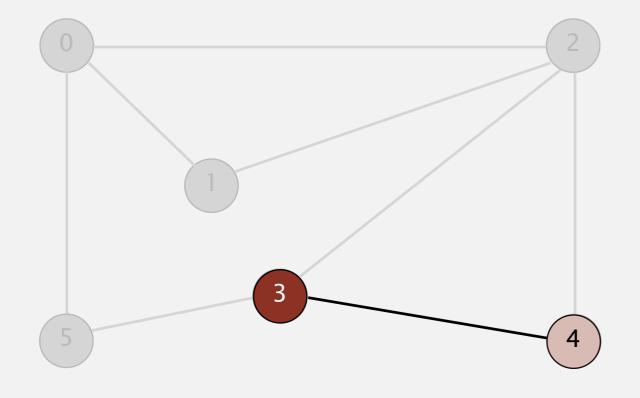
queue		V	edgeTo[]	distTo[]
	_	0	_	0
		1	0	1
		2	0	1
		3	2	2
		4	2	2
4		5	0	1
3				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



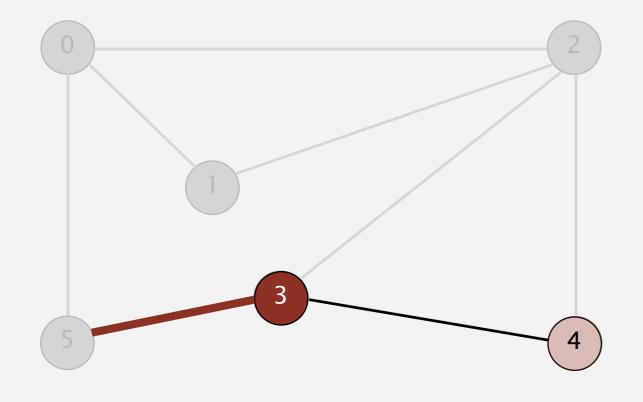
queue		V	edgeTo[]	distTo[]
	•	0	_	0
		1	0	1
		2	0	1
		3	2	2
		4	2	2
4		5	0	1
3				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



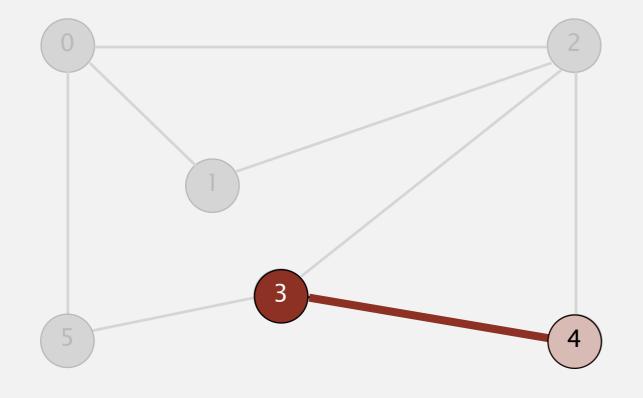
queue	V	edgeTo[]	distTo[]
	0	-	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
4	5	0	1
3			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



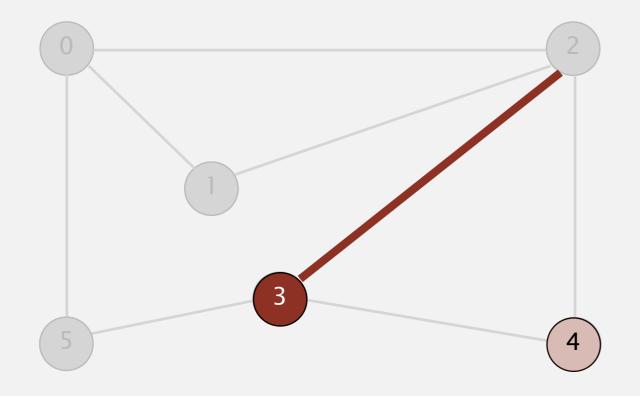
queue	V	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
	5	0	1
4			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



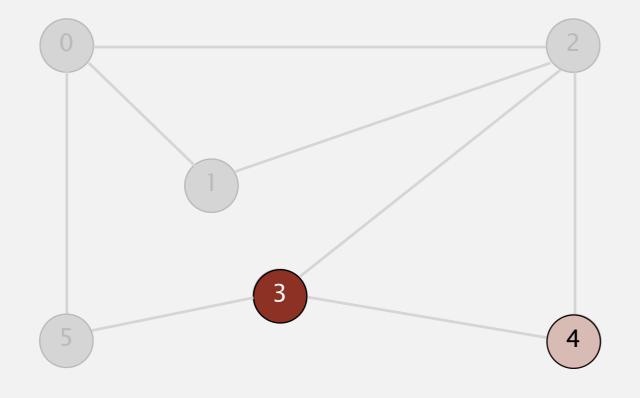
queue	v	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
	5	0	1
4			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



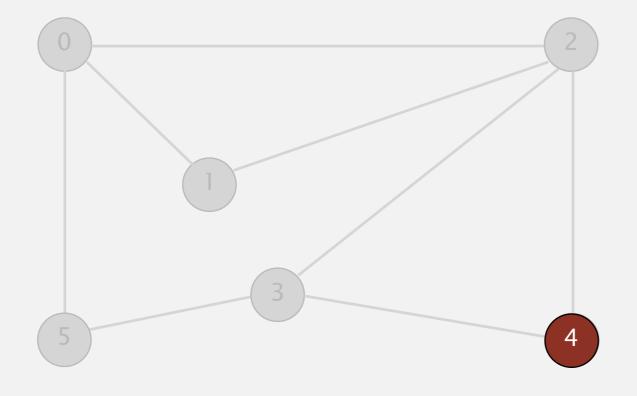
queue	,	V	edgeTo[]	distTo[]
		0	_	0
		1	0	1
		2	0	1
		3	2	2
	•	4	2	2
		5	0	1
4				

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



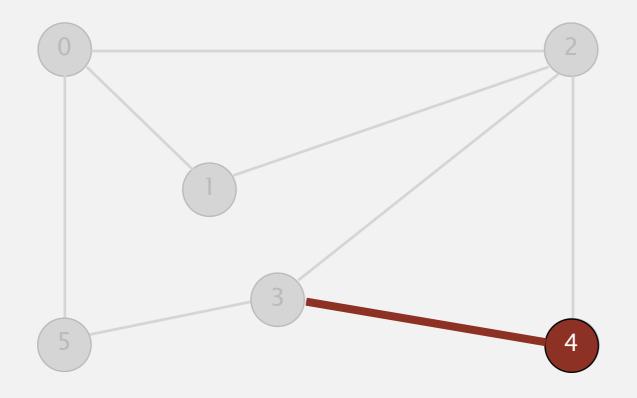
queue	 V	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
	5	0	1
4			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



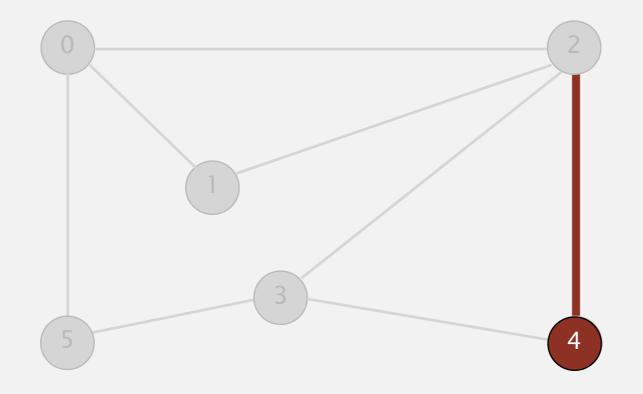
queue	V	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
	5	0	1
4			

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



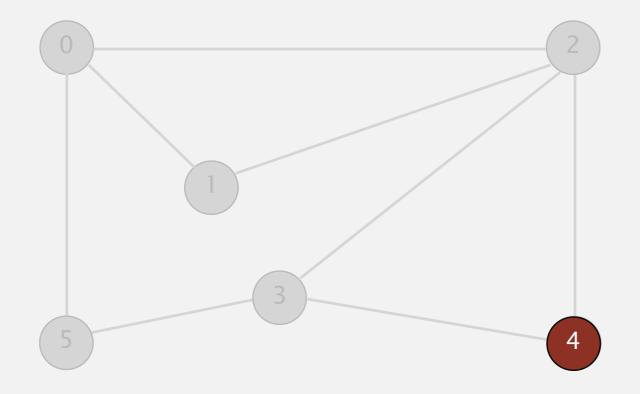
2110110		odaoTo[]	dictTo[]
queue	V	edgeTo[]	uistio[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
	5	0	1

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



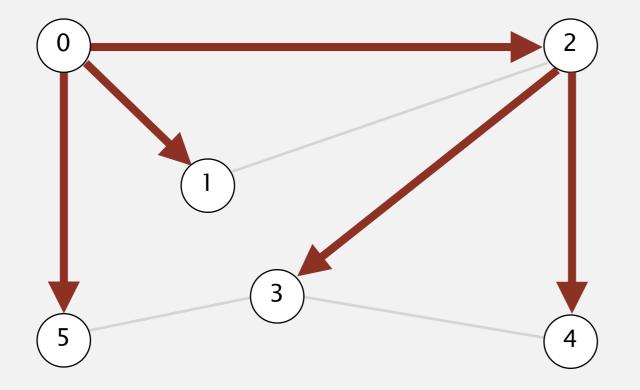
queue	V	edgeTo[]	distTo[]
	0	_	0
	1	0	1
	2	0	1
	3	2	2
	4	2	2
	5	0	1

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



queue	_	v	edgeTo[]	distTo[]
		0	_	0
		1	0	1
		2	0	1
		3	2	2
		4	2	2
		5	0	1

- Remove vertex *v* from queue.
- Add to queue all unmarked vertices adjacent to v and mark them.



V	edgeTo[]	distTo	
0	_	0	
1	0	1	
2	0	1	
3	2	2	
4	2	2	
5	0	1	