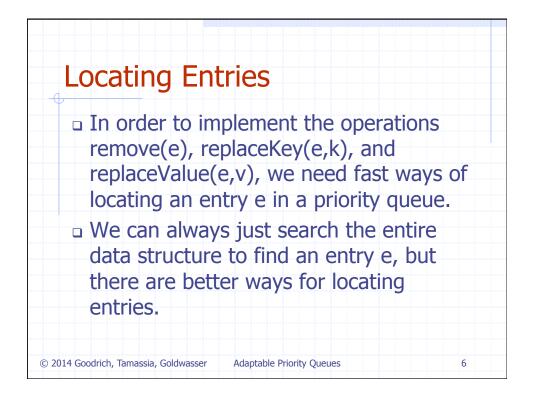
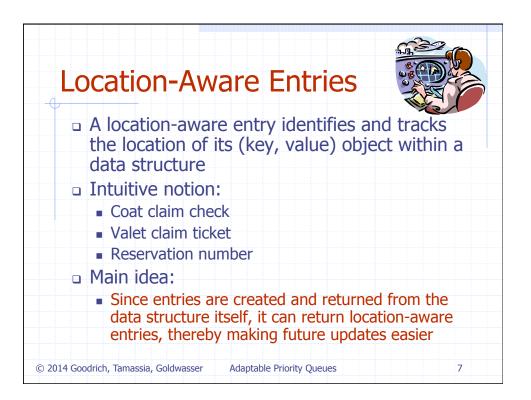
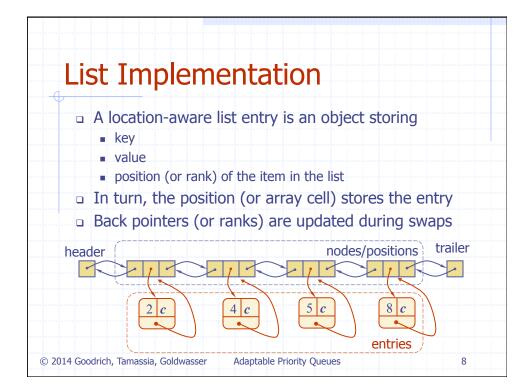
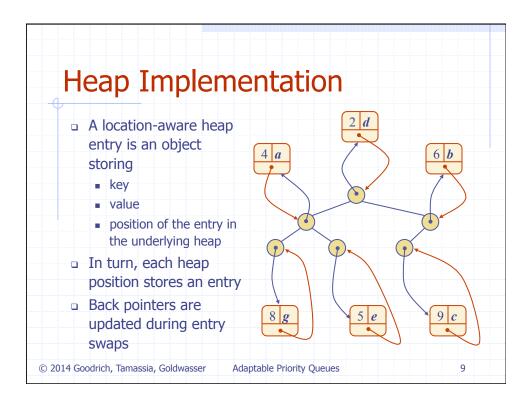


Example			
Operation	Output	Р	
insert(5,A)	<i>e</i> ₁	(5,A)	
insert(3,B)	<i>e</i> ₂	(3,B),(5,A)	
insert(7,C)	e_3	(3, <i>B</i>),(5, <i>A</i>),(7, <i>C</i>	
min()	<i>e</i> ₂	(3, <i>B</i>),(5, <i>A</i>),(7, <i>C</i>	
$key(e_2)$	3	(3, <i>B</i>),(5, <i>A</i>),(7, <i>C</i>	
remove(e_1)	e_1	(3,B),(7,C)	
replaceKey $(e_2, 9)$	3	(7,C),(9,B)	
replaceValue(e_3 ,D)	C	(7,D),(9,B)	
remove(e_2)	<i>e</i> ₂	(7 <i>,D</i>)	









Performa	IICE		
•••••••••••••••••••••••••••••••••••••••	imes thanks highlighted i	to location-av n <mark>red</mark>	vare
Method U	nsorted List	Sorted List	Неар
size, isEmpty	<i>O</i> (1)	<i>O</i> (1)	<i>O</i> (1)
insert	<i>O</i> (1)	O(n)	$O(\log n)$
min	O(n)	<i>O</i> (1)	<i>O</i> (1)
removeMin	O(n)	<i>O</i> (1)	$O(\log n)$
remove	0 (1)	0 (1)	O (log n)
replaceKey	0 (1)	O(n)	O (log n)
replaceValue	0 (1)	0 (1)	0 (1)

