























Student Activity Dmparing Priority Queues				
Binary Heaps	Leftist Heaps			
• d-Heaps	Skew Heaps			
•Binomial Queues:				
July 2, 2008 IUCEE: Data Structures Activities				

Student Activity Resolvir	ng Collisio	ns with Double Hashing	J
0		Hash Functions:	
1		$H(K) = K \mod M$ $H_2(K) = 1 + ((K/M) \mod (M-1)$))
2		M = 10	<i></i>
3			1
4 5		table in this order. Resolve any collisions with double hashing:	
6		13	
7		28	
8		147	
9		43	
July 2, 2008	IUCEE:	Data Structures Activities 14	

Student Activity	Sort Properties						
Are the following:	stable?	in-place?					
Insertion Sort?							
Selection Sort?							
MergeSort?							
QuickSort?							
Radix Sort							
July 2, 2008	IUCEE: Data Structures Activities	15					

St	RadixSort • Input:126, 328, 636, 341, 416, 131, 328										
			u.								
	0	1	2	3	4	5	6	7	8	9	
Bi	RusketSat on part higher digit:										
	0	1	2	3	4	5	6	7	8	9	
B											
			su.								1
	0	1	2	3	4	5	6	7	8	9	
	July 2, 2008 IUCEE: Data Structures Activities 16										