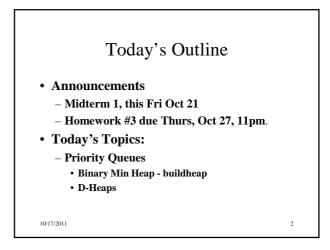
Priority Queues II

CSE 373 Data Structures & Algorithms Ruth Anderson

10/17/2011



Facts about Binary Min Heaps Observations:

- finding a child/parent index is a multiply/divide by two
- operations jump widely through the heap
- · each percolate step looks at only two new nodes
- inserts are at least as common as deleteMins

Realities:

- division/multiplication by *powers* of two are equally fast
- looking at only two new pieces of data: bad for cache!
- with huge data sets, disk accesses dominate

