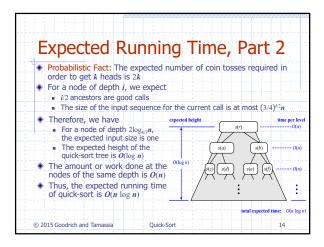
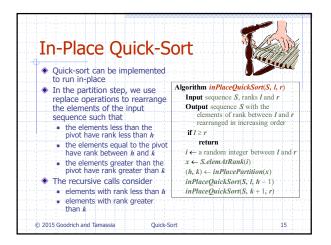
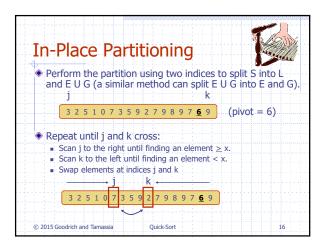


ort on a sequence of size s e each less than $3s/4$ greater than $3s/4$
7 2 9 43 7 6 1
1 7294376
Bad call
od calls:
11 12 13 14 15 16
uts Bad pivots







Algorithm	Time	Notes
selection-sort	O (n ²)	in-placeslow (good for small inputs)
insertion-sort	O (n ²)	in-placeslow (good for small inputs)
quick-sort	O(n log n) expected	in-place, randomizedfastest (good for large inputs
heap-sort	O (n log n)	in-placefast (good for large inputs)
merge-sort	O (n log n)	 sequential data access fast (good for huge inputs)