Agenda

• Quicksort
• Analysis of Quicksort
Course updates

• Change of office!
  - Moved to 3027 Kemper

• Homework
  - The deadline is strict.
  - No technical issues!
    • If you do have one, try to figure it out early.
Heapsort

Heapsort(A, n)
{
    BuildHeap(A);
    for (i = n downto 2)
    {
        Swap(A[1], A[i]);
        Heapify(A, 1, i-1);
    }
}
Quicksort

- Quicksort
- A randomized version of quicksort
- The worst-case analysis of quicksort
- The average-case analysis of quicksort
The End