













































## In general, no.

In special cases, we can do even better:
Example: Sort exams by score: drop each exam in one of 101 piles; work is proportional to n

## •Curious fact: efficiency can be studied and predicted mathematically, without using a computer at all!

•This branch of mathematics is called *complexity theory* and has many interesting, unsolved problems.

5/12/00 L-23

