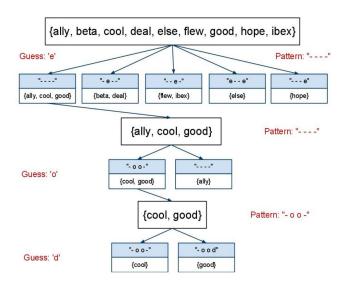
CS314H CSB Note

Sorting Lower Bound

1. Motivation: What does Evil Hangman try to do?



2.	Theorem:

• Why any?

- What does "deterministic" mean?
- Why is it ok to just count the number of comparisons?
- 3. What does smartest algorithm do?
- 4. What does most evil adversary do?
- 5. What is the initial pool size given n is the number of elements to sort?

6.
$$\log n! = \log n + \log (n-1) + \dots + \log(1)$$