



# Discussion 11

Tuesday, November 13, 2018

8:39 AM

## Approximation Algorithms "Trade efficiency with quality".

- efficient algorithms that find approximate solution to NP-hard optimization problems
- common design techniques:
  - local search
  - random sampling

## Primality Testing

- FLT:  $p$  prime,  $a \not\equiv 0 \pmod{p} \Rightarrow a^{p-1} \equiv 1 \pmod{p}$