Intro to Theory of Computation

Lecture 30

Last time
- The class PSPACE
- TQBF is PSPACE-complete
- Hierarchy theorems

Today
- Review and "Jeopardy!"

Homework 12 due
Final Exam Preparation Handout out

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Course parts

1. Automata theory
2. Computability theory
3. Complexity theory
recognizable

decidable

EXPSPACE

EXPTIME

PSPACE=NPSPACE

NP

coNP

P

CFL

regular
I-clicker question (frequency: AC)

3SAT is decidable, but not in polynomial time.

A. True
B. False
C. Unknown
D. None of the above
EQ_{REX}^{↑} is decidable, but not in polynomial time.

A. True
B. False
C. Unknown
D. None of the above
$A_{TM}$ is decidable, but not in polynomial time.

A. True

B. False

C. Unknown

D. None of the above