

## ASSIGNMENT FROM CHAPTER 4 OF SIPSER

### Exercise

- 4.2 (whether DFAs and regular expressions are equivalent is decidable)

### Problems

- 4.10 (whether PDAs have infinite languages is decidable)
- 4.19 (whether DFAs have palindromic languages is decidable)
- 4.22 (whether PDAs have useless states is decidable)
- 4.28 (no Turing-recognizable language can describe deciders for all decidable languages)