

# CS 311: Computational Structures

## Problem Set 6

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1. Sipser 3.18. Decidable iff enumerable in standard order.
2. Sipser 4.7. Diagonalization.
3. Sipser 4.13. Subset of regular expressions is decidable.
4. Sipser 4.30. Decidable languages are not effectively enumerable.
5. Sipser 5.1.  $EQ_{CFG}$  is undecidable.