## Discussion 7

## Problems

- 1. (a) Show that the collection of decidable languages is closed under the **intersection** operation.
  - (b) Show that the collection of Turing-recognizable languages is closed under the **intersection** operation.

2. Let  $A = \{ \langle M \rangle | M \text{ is a DFA that doesn't accept any string containing an odd number of 1s} \}$ . Show that A is decidable.