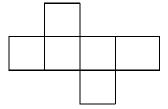
Math576 Combinatorial Game Theory

Homework 3

assigned Feb. 28, 2008; due next Thursday lecture

- 1. Two players play a substraction game S(2,5,6) of three heaps of sizes 7,8,9. Who wins this game? What is the best move for the first player?
- 2. Find the nim sequence for the substraction game S(2,4,7,8). What is the period of this nim sequence?
- 3. Find the values of the following domineering game.



4. Use the known values of Toads-Frogs game on page 134-137. Who wins the following game? What is his best move?

Τ	Т		F	Т	F
	Τ	Τ		F	F
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