

MATH 1340 – Problem Set 9

Due Tuesday, July 28, in class.

1. Solve each of the following games (don't forget to check for saddle points first!):

(a)

0	-1
1	0

(b)

1	2
3	-1

(c)

2	-2
-1	1

2. Consider the following game:

3	2	-1
4	3	0
0	-1	2

Solve this game as follows:

- (a) Verify that this game does not have any saddle points (either using the flow diagram or by comparing the prudent guarantees).
- (b) Completely reduce the game.
- (c) Solve the resulting 2-by-2 game.

3. Do problems 15.2, 15.4, and 15.10 in Ch. 15 of Robinson & Ullman.