

## Math 3050

### HW on Baseball Elimination Problem

Recall the baseball elimination as discussed in class. You are given the following tournament situation:

	w(i)	g(i)	g(i,j)			
<i>Team</i>	<i>Wins</i>	<i>To play</i>	<i>A</i>	<i>B</i>	<i>C</i>	<i>D</i>
<i>A</i>	17	5		2	2	1
<i>B</i>	18	5	2		2	1
<i>C</i>	17	6	2	2		2
<i>D</i>	15	4	1	1	2	

You want to determine whether team D is eliminated or not.

- Run Maximum Flow computations to determine whether team D is eliminated or not.
- Find a minimum cut in the network.
- Is team D eliminated or not? If no, give a scenario of the remaining games which allows team D to be number one. If yes, use minimum-cut-based arguments (as presented in class) to give an intuitive explanation why team D is eliminated.