

Problems Assignment 9

1. Consider the weighted voting game: $[8 : 6, 3, 2, 1, 1]$.
 - (a) Find the hierarchy this game. Make sure to explain your reasoning.
 - (b) Find the Banzhaf index for each player and see it satisfies the above hierarchy.
 - (c) Is this game transparent?
2. Consider the weighted voting game: $[9 : 6, 3, 2, 1, 1]$.
 - (a) Find the hierarchy this game. Make sure to explain your reasoning.
 - (b) Is this game transparent?
3. Using the method in class, construct a transparent weighted voting game that satisfies the hierarchy:
 $'<=<<<='$
4. Using the method in class, construct a transparent weighted voting game that satisfies the hierarchy:
 $'<=<==='$