

Homework 21: Chapter 22

Reading: Chapter 22

Book Exercises: 22.1, 22.2 (a),(b) ([Solutions](#))

Other Exercises: ([Solutions](#))

1. Find the winner by the adjusted winner method for the example from Quiz 17:

| | Mint | Van | Fudge | Snick |
|-----------------------------------|-------|-------|-------|-------|
| E | .3 | .1 | .1 | .5 |
| K | .2 | .2 | .5 | .1 |
| E to K valuation ratios | $3/2$ | $1/2$ | $1/5$ | 5 |

- (a) If you give Snick and Mint to E , everything else to K , what are their values for their slices?
- (b) If instead you give only Snick to E and everything else to K , what are their values for their slices?
- (c) Split the Mint between E and K in such a way that the division is equitable.
- (d) What are the properties of this division? Pareto-optimal, equitable, fair, envy-free?