Fall 2015

Lecturer: Dr. Paullin

Compénsation Day 5

Kermit and Miss Piggy are back to arguing over what each should get in their breakup.

(1) Adjusted Winner Given the points below, settle the argument with the Adjusted Winner Method. Clearly state who gets what items, and which item gets shared. For the shared item, state what percentage each person gets.

	Miss Piggy	Kermit	Point Ratios
Banjo	10	40 ×	岩= 4
Diamond Necklace	70 🗽	20	70 = 5.5
Lily Pad	0	40 🔉	49 undefined
Purple Karate Belt	20 💃	0	30 undetre
			- U

red to share newlars.

$$80+20X = 20+(1-x).70$$

 $80+20X = 20+70-70X$
 $90X=10$
 $X=9=.11$

Kernit receives the Banjo, the Lily Pad, and 190 of the reachace Miss Riggy receives the Karate Best and 89% of the naulace.

(2) Knaster's and Equitability Procedures The bids placed (in dollars) are as follows:

Miss Piggy	Kermit
100	450 🛊
700 🗶	200
20	400 🛊
200 🙀	10
	100 700 🐇 20

Fill in the chart below.

	Miss Piggy	Kermit	
Fair Share	510	530	
Value of Item Received	900	850	$\text{Surplus}\downarrow$
Money Received	-390	-320	-710

(a) Using Knaster's Procedure, who gets which items, and what are $x_{MissPiggy}$ and Kernit gets Banjo & Lily Pall, Miss Piggy gets Daviond

Necklace and Purple Karacte But XMiss Piggy = 510+740 = 805

(b) Using the Equitability Procedure, who gets which items, and what are $x_{MissPiggy}$ and x_{Kermit} ? Kermit 9ths Baryo 9 Lily Paa, Miss Piggy 9ths Necklace and Karate Best $\frac{$500}{2080}(710) = 858.17

$$\times$$
 Kernit = 530 + $\frac{1060}{2080}$ (710) = 891.83

(c) Using the Equitability Procedure results, find the X/B fractions for Miss Piggy and Kermit.

(d) In this scenario, what are the following values?

(ii)
$$b_{MissPiggy}$$
 $\boxed{$1020}$

(iii) m
$$\frac{1020+1060}{Z} = 1040$$