Quiz 1) [WMner's curse

A B

Problem 1

UA = 1 Pr (Alicens)?

out have estimated

· VA, UB ~ Un: 6m { 1,23}

$$V_{A} = 1 \quad \text{Pr} \left(\text{Alicewns} \right)^{7} \quad V_{A} = 2.$$

$$V_{B} \sim U_{n}; 6m$$

$$V = 2.$$

$$V_{C} = 3.$$

Doblem Z \

$$V_A = 3$$
.

expected utility? V- VA

$$\left(-1\right)\left(\frac{1}{3}\right)\left(1+1+\frac{1}{2}\right)=\overline{\left(-\frac{5}{6}\right)}$$

Poolen 3

What is expected

utility of the comer?

3
$$\omega_{\varphi}$$
. $\frac{5}{9} = 3 - 1$

$$Z \qquad \omega, \rho, \frac{3}{9} \Rightarrow 0$$

$$1 \quad \text{w-p.} \quad \frac{1}{9} = 1$$

$$-\frac{5}{9}+\frac{1}{9}=\left[-\frac{4}{9}\right]$$

Matching Maslets
Mohation 1 2 companies C1 C2 · I Employee L pecker C1 C1 > C2 · C1 Staff mervirum on Feb 15. · what should C2 do? · Interiorum Jan 15 Explodity offs Feb 14.
Now suppose you're employee. In how an ofer from C2 or April 15 Peekend you're Ca? NSF Dec 15, Jan 14
Solution 1: Someone with power prevents unraveling.
I (dytion Z) someone tells evening when

Solution Z) someone tells everyone where everyone is gong be hired.

employers: give algorithm ranking over companies: " over employees Algorithm Lecides who goes where. - US docks - NYC high school - bunch of other places. What to you want out of an algorithm? · " met optimal les societs" most ppl get top few chices strategy proof · farness. > [Stability.) There is no pair (employee, company)

that both want each other over who He algorith matched them to.