Assignment-3

Nome: Snigdra Nalajala

1d: 100190 5936

ABCDE

211 1 2 2 3 4 5

意意 图图

A E D B

1 3 5 2 2

2 2 DBBC

3 4 4 4 1

BACAE

4 5 1 5 4

C CLEAE A

2 1 2 1 5

F D A C D

First we motch the male with females who

did not got proposals before

5

ABSDE

1 2 3 4 5

5 2 3 (3) 3

(A) (B) (B)

 $\bigcirc \mathscr{G} \qquad \qquad ^{2} \qquad \boxed{2}$ 

D B B D (c)

3 4 4 4 1

BACAE

45154

2

1

2

1

CCFFA

E D A C D

The coomen rejects who the words and sees her best meet match in her list. All the males canoget rejected proposes to ment girl and his motch.

 $A \rightarrow 1$   $B \rightarrow 4$   $C \rightarrow 5$   $D \rightarrow 3$   $E \rightarrow 2$ 15 the stable match.

A! H5 H2 H1 H3 H4

2)

A2: H5 HH H3 H1 H2

A3: HH H2 H3 H5 H1

A4: H2 H1 H5 H3 H4

AS: H2 H4 H1 H5 H3

The Pareto optimal solutions ore: A! H5 A1: 45 A2: H4 A2: H3 A3: H3 A3: H4 A4: H1 A4 : H1 A 5: H2 A5 ! H2 A! HI A1: H1\_ A1: H5 A2: H5 A2: H5 A2: H4 A3: H4 A3! H & 1 A3: H3 A4: H3 AH! HA A4! H3 A5: H2 A5 ! H4 6 A5: H2 for example HI H3 H2 A1: H5 H3 H1 HH A2: 45 H3\_H5 H2 A3: H4

H5 YH3

HI

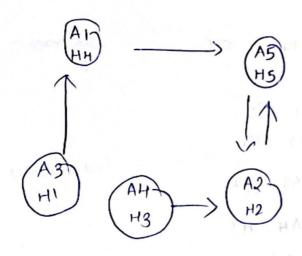
HI

A4: 40

A5: 42 44

HH

H3



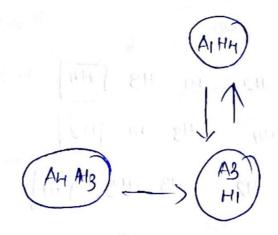
A1 : X5 1 4 43 144

A2: H5 H4 H3 H1 X

A3: HH H2 H3 KS [H]

A4: 1 1 15 11 14

A5: 10 HA H, H5 H3



AL: HI

A2! H5

A3 1 HH

AH! H3

AS 1 H2

3. Estate coolin = \$500

morninge contracts of three coidaes = 100,200,300

uncontested for A is 
$$500 - (200+300) = 0$$

B is  $500 - (100+300) = 100$ 

C is  $500 - (100+200) = 200$ 

So  $500 - (100+200) = 900$  should be divided among 3

 $200/3 = 66.67$ 

Estate  $500$ 

Uncontested  $0$  100  $0$ 00

Cqual division  $0$  100  $0$ 00

Good division  $0$  100  $0$ 00

66.67 166.67 266.67

The divided estates among 3 cortows are 66.67, 166.67, 266.67 O'Noils low roce to the book method is those 6 probabilities to divide the estate among 3 coidas which are Total:- 500 100, 200, 200 0,900,300 100, 100, 300 E promi baharah 0, 200, 300 100,100,300 100, 200, 200 agy one  $\frac{400}{6}$ ,  $\frac{1000}{6}$ ,  $\frac{1600}{6}$ 66.67, 166.67, 266.67 are divided among 3 coidocas same as rule of linked

vessels

The uncontested values of 3 widows are 1st widow : 
$$300 - (1000 + 200) = 0$$

2rd widow:  $300 - (50 + 200) = 50$ 

3rd widow :  $300 - (50 + 100) = 150$ 

The contested values are the values where remaining amount on divided among 3. 
$$300-(50+150) = 100 / 100/3 = 33:33$$

esta	ite	300	008	000
		100	200	
Claim		188	83 33	13.3
uncontested	0	50	150	
contes to	33. 33	33.33	33.33	P. d.
	33.33	83. 33	183.33	

The estate divided amondy three widows according Tole of linked Vessels on 33.33, 83.33, 183.33 60 According to o'weils low the 6 probabilities Arrided among three coidous ore Total: 300 00 = 600 C+ 20150 - 000 L 0 m/m by 50 = (100 ) 02 ) 150 02 2 and 100 large 0 100 200 bHOTTON 50 50 200 hours 88 88 50 200 50 0200 (Dallas) -008 33.3, 83.33, 183.33 are the values according to o'weils low same as Rule of Inred wessels

6.