NAME: VENKATA SWANTH RONDALAPATI

	CSE 5319-001	Ωo	NURCE
	SPEC TOPICS THEORY / ALGORIHMS		
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	this is the stable m		
2)	To find the max-condition,		<b>9</b> ~\$
	AI: H4 (HS) HZ HXI	<b>K</b>	
	AZ : HZ HS HX AX	M	and the second
	A3: (H1) H4 H2 H3  A6: (H4) NC H1 A8	t}x	
	A1: H4 HS H2 HX A2: H2 H3 H4 H2 H3 A3: H1 H4 H2 H3 A4: H4 NC H1 HX A5: H3 H2 HX H1	1+1	and the first supplied to the supplied of the supplied to the
	So the Allowothers one		
	Al: Hs, Az: Hz, A	31 HL, A4; H4	, As: H3
	These are the pareto-optud role	tians	as and consigning Million - Malegarine and Allia service Million - 1 - 1 - 4 against

Estate value \$600 = \$ 150 Widow 1 Widow. 2 = \$ 250 Widow ] \$ 350 Dividing the astate to the widows with the Rule of Limbard vends 125 175 ins 200 100 With the help of the Rule of Unked Verrels, the Schote is duided among the widows in such a way which resulted in Widow 1 -> 100 \$ Widow 2 -> 200 \$ Widow 3 - 300 4

With the use of O' Nexts law/ rare to the bank method also known as (Shapley Value) The widow who gets first its the one that gets full manage contract, and the second one gets a part or full to Wi'dows that depends on the Ristate. 3 order of aired . 1 2 300 150 250 \$ Estate = \$ 600 350 100 150 Contract 1 = \$ 150 200 250 Cahort 2 = \$ 250 150 350 250 Contract > = \$ 200 310 250  $\alpha$ 250 100 150 312 1800 1200 600 Widow \* Widow 1 -> 600 Widow 2 -> 1200 Widon 3/-> 1800 - 300) So the wdows get the average amount which are that whow, these are also the shapley values.)

the state of the s Estate Velue - \$1250 widow 1 = \$50 hidon 2 2 - 1 100 Wida 1200 Dividing the estate amongs widows washy the Rule of Chuked Nursela Willes 11.156 Ins 100 200 with the help of the linkel versels Rule and devoted the estate among them as 100\$, 2001, 3001

With the use of O'Neis law /s are to the band method? also to find the shapley values. The whom his gets first is the one that gets full manings contract, and the second one gets a part of amount of held that depends as is the second one gets a part of amount an full that depends on the estate. Widows Order of Armind 2 001 100 50 200 100 100 02 150 100 200 200 800 950 250 Avenge -> Widon 1 9 <u>w</u> Widow 3 -> 950 -> 158.33 So the videws 1,2,7 glks and average amont of 33.35 \$ 58.35 \$, 150.35 \$ repetively there are shaply volus.