Assignment 8 deta 0-1 x > Sam y => Paul Z => Ryan Dam plays baseball or Paul plays baseball Sam plays baseball or Ryan doesn't play baseball knowledge : (xvy) 1(xv-z) (x x y) x (x v-2)  $\chi \Lambda Z$ T F F F F F Dam of ryan both play baseball: 212 1 Atleast one among Sam, Paul & Ryan play baseball: x V y V Z

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ci) Dam & vyan bott entail because Jenowledge base	r play baseball, in this knowledge b when x is false & z is false & ; is true but sertence A is false.	ase doesn't y is true the
(11) for sentence B knowledge base	is true sentence B is also true.	when
-2 if Ana eals, Bret	eats $x \rightarrow y  (x = Ana, y = Bret).$	
2) Charles eats & De	xek doesn't eat x -> -y (x = charles, y = derek)	S.
Bust despt cot		
THE STATE OF A STATE O	eat od least one among Ana, Earl (y v z vw) (x=Derck, y= Ana, z	l, & Fud cate
5) If at least one of	Charles and gary eats, Earl closer x vy -> > z (x = charles, y = gor	y, z= Earl)
·	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ois
	TO PARTY OF THE PA	A 25%

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	dna → A, Bret → B, Charle	⇒c Doxok =D. For	P ⇒ F. Fred ⇒ E
Q-3	who you, sale - D, charles	5 - · · · · · · · · · · · · · · · · · ·	Gary => Cr
	1) A → B	gwen	9
	ji) CΛ→D (iii) →B	given	
	(N) >D → (AVEVF)	given	
	ON CVG -> TE	given	
		MT(; & iii)	
	(viii) 7D	emove & (ii)	
	and CVG	ον (vii)	
	$(xi)$ $\neg E$ $(xi)$ $\neg A \land \neg E$ $f$	1P(v & ix) And (vi & x)	
	(XI) T(AVE)	oml (xi)	
de		p (iv & viii) exclution (Xii & Xiii)	
	(xîv) F	esolution (XII 9 XIII)	
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