## Group 1: Entailment

me			

## **Honor Notice:**

- Assemble into groups of approximately 3.
- Each person in each group should have their own paper.

Computing ID

- Put your name and computing id at the top of this page
- Go to https://www.cs.virginia.edu/~njb2b/cs2120/f2022/group1.html (or scan the QR code or follow the link on the course schedule page) and follow the guide there



Prop	oiem	1: 1	ldentii	y G								
G =												
Problem 2: $\top$ or $\bot$												
a)					b)			c)			d)	
								Problem	ı 5: Shov	$\mathbf{w} (B \to A)$	$A) \land \neg A) \rightarrow \neg$	$\neg B \equiv \top$
Prob	lem	3: (	Compl	${ m ete}  { m the}$	truth	table				(,	<u>,                                    </u>	
A	В	C		$\neg B$			A					
0	0	0										
0	0	1										
0	1	0										
0	1	1										
1	0	0										
1	0	1										
1	1	0										
1	1	1										
$\mathbf{Prob}$	lem	<b>4:</b> ]	Name	the ru	le							
Prob	Problem 6: Why does $(A \oplus B) \land B \vdash \neg A$ ?											
Prob	lem	7: 7	Two tl	nings y	ou can	conclude	; .	Problem	8: Nan	ne the m	urderer!	
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