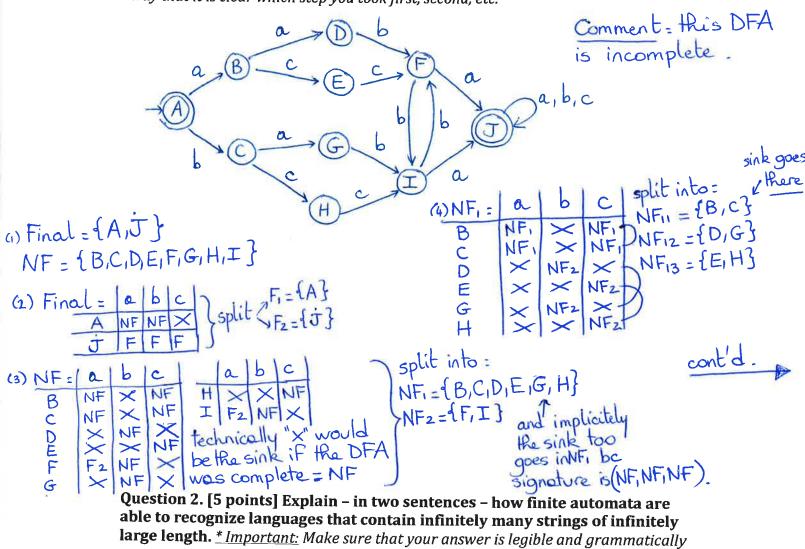
correct.

Question 1. [5 points] Run the DFA minimization algorithm seen in class on the following DFA. \* Important: Make sure that your answer is structured in such a way that it is clear which step you took first, second, etc.



(see lecture notes on Piazza)

At this point, in our container of states to consider, we have:

$$NF_{2} = \{F, I\}$$
  
 $NF_{11} = \{B, C\}$   
 $NF_{12} = \{D, G\}$   
 $NF_{13} = \{E, H\}$ .

(5)  $NF_2 : a b c$   $F F_2 NF_2 \times I$   $I F_2 NF_2 \times I$ 

(6)	NFII =	a	6	C	
	B	NF12	×	NF <sub>13</sub>	/
	C	NF <sub>12</sub>	X	NF <sub>13</sub>	·

(7)	NF12:	a	6	c	
	D	×	NF <sub>2</sub>	×	,
	G	X	NF <sub>2</sub>	X	~

(8) 
$$NF_{13} = a b c$$

$$E \times NF_{2}$$

$$H \times NF_{2}$$

(9) container is empty, we are done.