Feb 4th

Second Law,
$$\overline{a} = \frac{F_{NET}}{m}$$

$$Q_{B} = \frac{F_{A \text{ ON } B} - F_{c \text{ ON } B}}{m_{B}} \qquad Q_{C} = \frac{F_{B \text{ ON } C}}{m_{C}}$$

NEWTON'S THIRD LAW gives Form = FB on C

Since all of the objects move together, the ACCELERATION CONSTRAINT for this question is that $a_4=a_8=a_c=a$

FAONB-FBONC =MBA

FAONB-(MCa)=MBOL

FA ON B=MCQ +MBQ=(MB+MC)Q

a= FAINB MB+MC

The force of B on C is

FBONC = MCA = MC FAONB

ASSESS Franc is related to, but less than From B