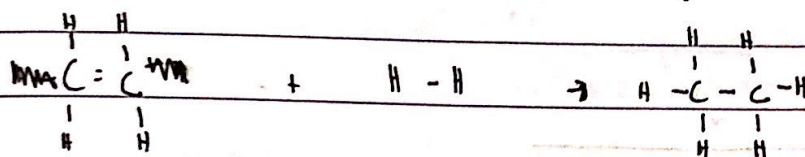


calculate value of average bond enthalpies



(Bond breaking)

(Bond forming)

$$\Delta H = \{ (4(413)) + (612) + (436) \} + \{ 6(-413) + (-347) \}$$

$$= -125 \text{ kJ}$$