## Pembahasan HW 1



homentum kekal

Ek. Kelcal

2 unknown - 2 equation





Momentum Celcon

$$Px \rightarrow miV0 = miV1 + 2 miV1 coid (1)$$

$$Py \rightarrow 0 = miV1 + 2 miV1 coid (1)$$

Fk Welcon

$$\frac{1}{2} m_1 N_1^2 = \frac{1}{2} m_1 m_1^2 + 2 \frac{1}{2} m_2 V_2^2 \dots - (ii)$$

$$_{0}$$
 > 2

~1 V 1 + M ~ V \

(C) V1 2 Vcm - X, (V1-U2)

$$\bigcirc$$

$$\frac{d}{dt} = \frac{m_1(1+e)}{m_1+m_2} = \frac{m_1(1+e)}{m_1+m_2}$$

(P) elu: = = mv17 + = m2v2

[[ = = = n1 Mi + = n1 M2]

