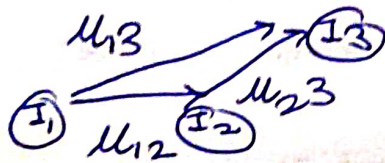# PROBLEM 2 :

given : u_{12}, v_{23}, v_{13} are translation vectors &

u_{12} is used to align I_2 with I_1
u_{23} is used to align I_3 with I_2
u_{13} is used to align I_3 with I_1

Relation between u_{12}, u_{13}, v_{23} is that they are in vector addition form

$$\boxed{\vec{u_{13}} = \vec{u_{12}} + \vec{u_{23}}}$$

→ This Relation is Not hold at the edges/points.

→ As we do translation motion of Image, some part of the image is removed. corner

→ This Relation hold for all the pixel (x, y) which are all present in the three Images $\{I_1, I_2, I_3\}$.