let 
$$A = input$$
  $B = ontput$ 
 $A'_2 = TA_2$ 
 $A'_3 = TA_3$ 
 $T = T(B_1 - A_1)$ 
 $\vec{a} = A_2 - A_1$ 
 $\vec{b} = B_2 - B_1$ 
 $\vec{k} = arctan(\vec{a}_x)$ 
 $A''_2 = RA'_2$ 
 $A''_3 = RA'_3$ 
 $\vec{b} = \begin{bmatrix} \vec{b}_x & \vec{b}_{1x} \\ \vec{b}_y & \vec{b}_{1x} \end{bmatrix}$ 
 $A''_2 = RA'_3$ 
 $A''_3 = R$ 

ProJection matrix=P=5MbRT