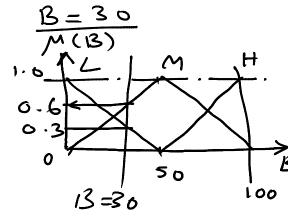
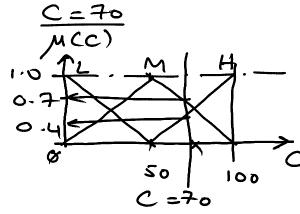


$$M_L(A=40)=0.2$$

 $M_M(A=40)=0.85$
 $N_H(A=40)=\emptyset$





$$ML(C=70) = 0$$

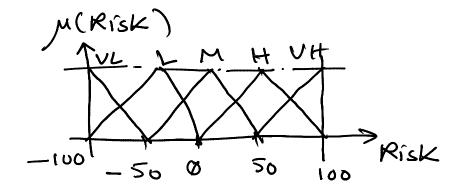
$$MM(C=70) = 0.7$$

$$MH(C=70) = 0.4$$

Step 2 Inference

$$R^{2}$$
 $W^{2} = max(M_{M}(A = 40),$
 $(min(M_{L}(B = 30), M_{H}(C = 70)))$
 $= W^{2}M$

Step3 Defuzzification



$$\Rightarrow \Re i s k = \frac{\omega_1 L + \omega_2 M}{\omega_1 + \omega_2}$$

$$= 1$$