

```
clc;
clear all;
close all;

x= -10:0.1:10 ;
mf1 = trapmf(x,[-10 -8 -2 2]);
mf2 = trapmf(x,[-5 -3 2 4]);
mf3 = trapmf(x,[2 3 8 9]);
mf5 = max(0.5*mf2,max(0.9*mf1,0.1*mf3));

plot(x,mf5,'lineWidth',3)
ylim([-1 1])
x1=defuzz(x,mf5,'bisector')
h1=line([x1 x1],[-0.2 1.2],'color','k')
```

>>fuzzy