```
Equal = (1.0,1.0,1.0,1.0)
EqI = (1/2,3/4,5/4,3/2)
InvEqI=(2/3,4/5,4/3,2)
Weak = (1,3/2,5/2,3)
InvWeak=(1/3,2/5,2/3,1)
Strong = (2,5/2,7/2,4)
InvStrong=(1/4,2/7,2/5,1/2)
Very = (5,11/2,13/2,7)
InvVery=(1/7,2/11,2/13,1/5)
Abs=(7,15/2,17/2,9)
InvAbs=(1/9,2/17,2/15,1/7)

SafetyLine1=[Equal, Equal, Equal, Equal, Equal, Weak,Strong, EqI, Strong, Very, Strong, Strong, EqI, Strong, Strong]
SafetyLine2=[InvWeak, InvStrong, InvEqI, InvStrong, InvVery, Equal, Equal, Equal, Equal, Equal, EqI, EqI,EqI, EqI, InvWeak]
SafetyLine3=[InvStrong, InvStrong, InvEqI, InvStrong, InvStrong, InvEqI, InvEqI, InvEqI, InvEqI, Weak, Equal, Equal, Equal, Equal, Equal]

FluctuateLine1 = [Equal, Equal, Equal, Equal, Equal, EqI, EqI, EqI, Abs, Very, Strong, Abs, EqI, Strong, Strong]
FluctuateLine2= [InvEqI, InvEqI, InvEqI, InvAbs, InvVery, Equal, Equal, Equal, Equal, Equal, Abs, Abs, EqI, InvWeak, EqI]
FluctuateLine3= [InvStrong, InvAbs, InvEqI, InvStrong, InvStrong, InvAbs, InvAbs, InvEqI, Weak, Equal, Equal, Equal, Equal, Equal]

ProfitabilityLine1 = [Equal, Equal, Equal, Equal, Equal, InvVery, EqI, Very, InvStrong, InvVery, EqI, InvVery, InvAbs, InvStrong, InvWeak]
ProfitabilityLine2 = [Very, InvEqI, InvVery, Strong, Very, Equal, Equal, Equal, Equal, Equal, EqI, EqI, InvAbs, EqI, Strong]
ProfitabilityLine3 = [InvEqI, Very, Abs, Strong, Weak, InvEqI, InvEqI, Abs, InvEqI, InvStrong, Equal, Equal, Equal, Equal, Equal]

CharLine1=[Equal, Equal, Equal, Equal, Equal, Very, Abs, Abs, Very, Very, Abs, Abs, Abs, EqI, Very]
CharLine2=[InvVery, InvAbs, InvAbs, InvVery, InvVery, Equal, Equal, Equal, Equal, Equal, InvAbs, InvVery, EqI, InvAbs]
CharLine3=[InvAbs, InvAbs, InvAbs, InvEqI, InvVery, Abs, Very, InvEqI, Abs, Strong, Equal, Equal, Equal, Equal, Equal]

#Find the Geometric Mean for Each of the matrices and each location
SafeSpot0 = [GeometricMean(SafetyLine1, 0), GeometricMean(SafetyLine2, 0), GeometricMean(SafetyLine3, 0)]
SafeSpot1 = [GeometricMean(SafetyLine1, 1), GeometricMean(SafetyLine2, 1),GeometricMean(SafetyLine3, 1)]
SafeSpot2 = [GeometricMean(SafetyLine1, 2), GeometricMean(SafetyLine2, 2),GeometricMean(SafetyLine3, 2)]
SafeSpot3 = [GeometricMean(SafetyLine1, 3), GeometricMean(SafetyLine2, 3),GeometricMean(SafetyLine3, 3)]

FlucSpot0 =  [GeometricMean(FluctuateLine1, 0), GeometricMean(FluctuateLine2, 0), GeometricMean(FluctuateLine3, 0)]
FlucSpot1  = [GeometricMean(FluctuateLine1, 1), GeometricMean(FluctuateLine2, 1), GeometricMean(FluctuateLine3, 1)]
FlucSpot2  = [GeometricMean(FluctuateLine1, 2), GeometricMean(FluctuateLine2, 2), GeometricMean(FluctuateLine3, 2)]
FlucSpot3  = [GeometricMean(FluctuateLine1, 3), GeometricMean(FluctuateLine2, 3), GeometricMean(FluctuateLine3, 3)]

ProfitSpot0 =  [GeometricMean(ProfitabilityLine1, 0), GeometricMean(ProfitabilityLine2, 0), GeometricMean(ProfitabilityLine3, 0)]
ProfitSpot1  = [GeometricMean(ProfitabilityLine1, 1), GeometricMean(ProfitabilityLine2, 1), GeometricMean(ProfitabilityLine3, 1)]
ProfitSpot2  = [GeometricMean(ProfitabilityLine1, 2), GeometricMean(ProfitabilityLine2, 2), GeometricMean(ProfitabilityLine3, 2)]
ProfitSpot3  = [GeometricMean(ProfitabilityLine1, 3), GeometricMean(ProfitabilityLine2, 3), GeometricMean(ProfitabilityLine3, 3)]

CharSpot0 =  [GeometricMean(CharLine1, 0), GeometricMean(CharLine2, 0), GeometricMean(CharLine3, 0)]
CharSpot1  = [GeometricMean(CharLine1, 1), GeometricMean(CharLine2, 1), GeometricMean(CharLine3, 1)]
CharSpot2  = [GeometricMean(CharLine1, 2), GeometricMean(CharLine2, 2), GeometricMean(CharLine3, 2)]
CharSpot3  = [GeometricMean(CharLine1, 3), GeometricMean(CharLine2, 3), GeometricMean(CharLine3, 3)]

#Save the Performance Score values
SafetyPS = PerformanceScores(SafeSpot0, SafeSpot1, SafeSpot2, SafeSpot3)
FlucPS = PerformanceScores(FlucSpot0, FlucSpot1, FlucSpot2, FlucSpot3)
ProfitPS = PerformanceScores(ProfitSpot0, ProfitSpot1, ProfitSpot2, ProfitSpot3)
Weights = PerformanceScores(CharSpot0, CharSpot1, CharSpot2, CharSpot3)



#I am passing in the performance scores and returning the weighted performance scores for each of the options
DesalSafe, HProdSafe, SynFuelSafe = WeightPS(SafetyPS, Weights)
DesalFluc, HProdFluc, SynFuelFluc = WeightPS(FlucPS, Weights)
DesalProf, HProdProf, SynFuelProf = WeightPS(ProfitPS, Weights)



#Return the limits of the fuzzy numbers
#Finding the left and right points for the member Functions
```