

The Questions

- * We use FML to analysis the effects about the inflow.
- * According that the real rainfall is more higher than inflow. From the information the two major reasons affect inflow are evaporation and absorbed by plant. So, we think that we can get the lost amount approximately by use FML.

Information

- * We found some evaporation's information the highest value is about 120
- * And the information about absorbed by plant is hard to calculate, so we assume the value between 0 and 90.

Design FML

- * Input : Evaporation

- high(99.7, 110, 115, 120)

- mid(57, 73, 89, 105)

- low(0, 20, 40, 60)

- * Input : Absorbed by Plant

- high(60, 70, 80, 90)

- mid(30, 45, 55, 65)

- low(0, 15, 25, 35)

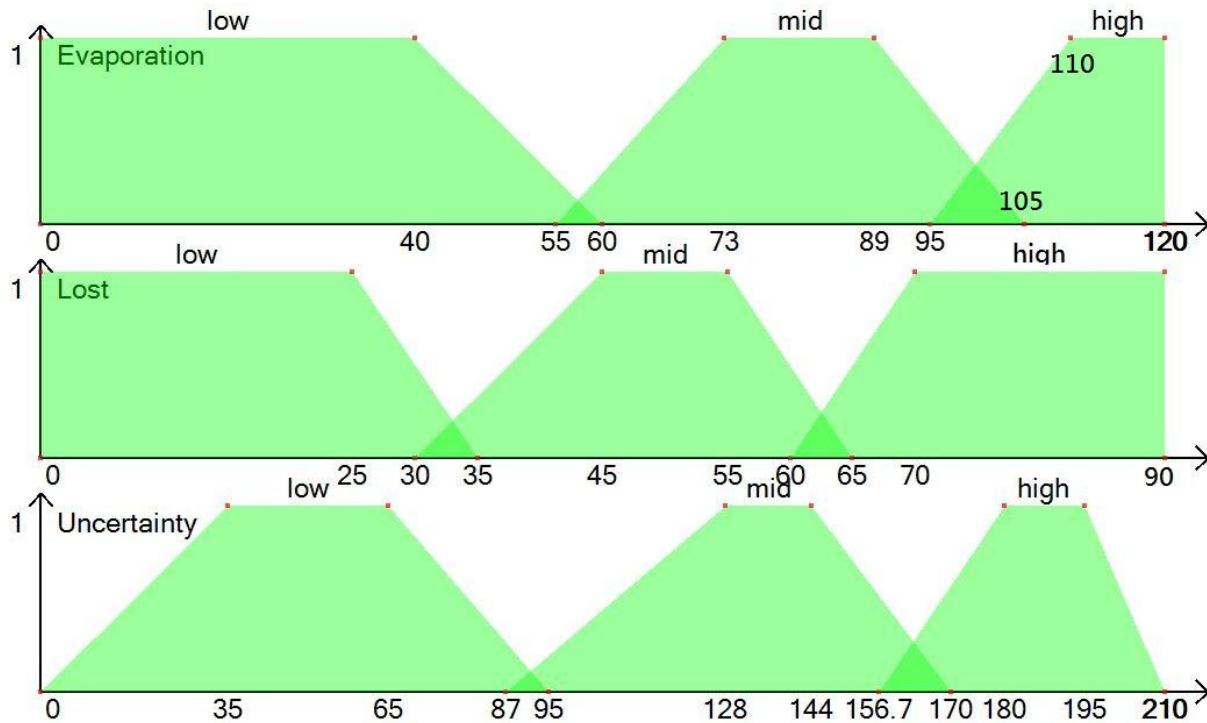
- * Output : Uncertainty Information

- high(156.7, 180, 195, 210)

- mid(87, 128, 144, 170)


- low(0, 35, 65, 95)

Fuzzy variables



The main problem

- * The upper picture is we take the information we collected to test, maybe it's not correct.
- * Perhaps we can use this method to solve the problems. Maybe the evaporation and absorbed by plant are so small that we can ignore it. So, maybe we should consider bigger factor like typhoon as Olivier mentioned.

- 
- * From Olivier's mail we think we should use FML to solve the heavy rains and typhoons.
 - * What factors should we need about typhoons?