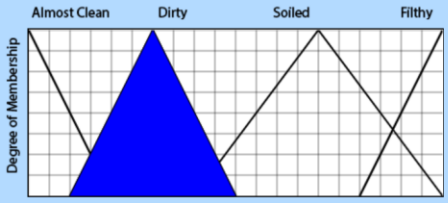
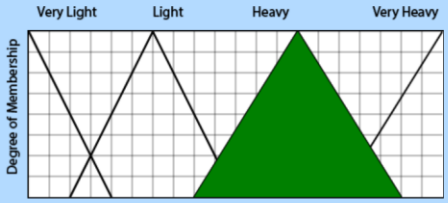
Fuzzy Inference Example

Select Dirtiness and Weight and click on the Result Button, Fuzzy Inference will Output the amount of Detergent Needed



Dirtiness



Weight

RESULT HOW CLEAR

Fuzzy Inference Rules

If DIRTINESS is ALMOST_CLEAN and WEIGHT is VERY_LIGHT then DETERGENT is VERY_LITTLE
If DIRTINESS is ALMOST_CLEAN and WEIGHT is LIGHT then DETERGENT is LITTLE
If DIRTINESS is ALMOST_CLEAN and WEIGHT is HEAVY then DETERGENT is MUCH
If DIRTINESS is ALMOST_CLEAN and WEIGHT is VERY_HEAVY then DETERGENT is MUCH

If DIRTINESS is DIRTY and WEIGHT is VERY_LIGHT then DETERGENT is LITTLE
If DIRTINESS is DIRTY and WEIGHT is LIGHT then DETERGENT is LITTLE
If DIRTINESS is DIRTY and WEIGHT is HEAVY then DETERGENT is MUCH
If DIRTINESS is DIRTY and WEIGHT is VERY_HEAVY then DETERGENT is VERY_MUCH

If DIRTINESS is SOILED and WEIGHT is VERY_LIGHT then DETERGENT is MUCH
If DIRTINESS is SOILED and WEIGHT is LIGHT then DETERGENT is MUCH
If DIRTINESS is SOILED and WEIGHT is VERY_HEAVY then DETERGENT is VERY_MUCH
If DIRTINESS is SOILED and WEIGHT is VERY_HEAVY then DETERGENT is MAXIMUM

If DIRTINESS is FILTHY and WEIGHT is VERY_LIGHT then DETERGENT is VERY_MUCH
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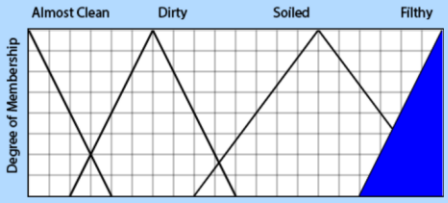
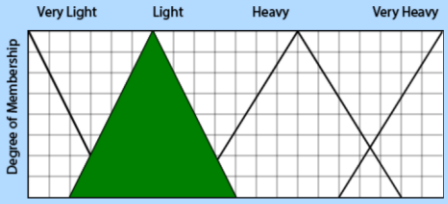


Dirtiness



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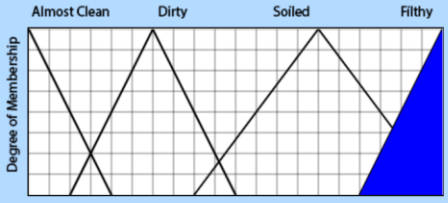
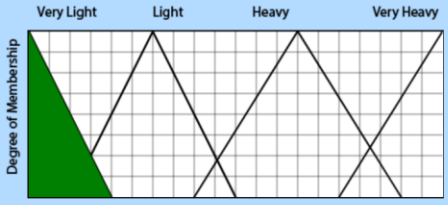
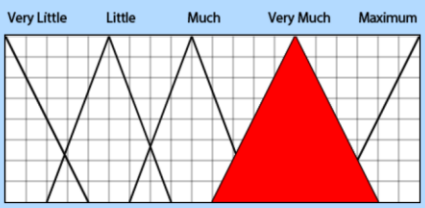


Dirtiness



Weight

RESULT HOW CLEAR



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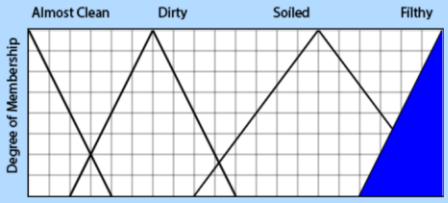

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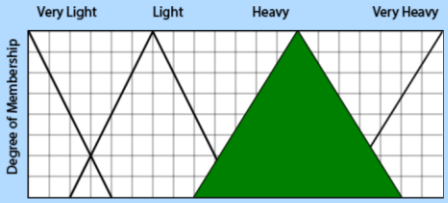

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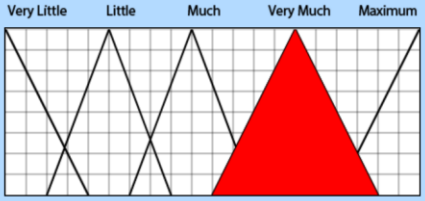
RESULT HOW CLEAR



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