Fuzzy Interpolative Reasoning with Crisp Input
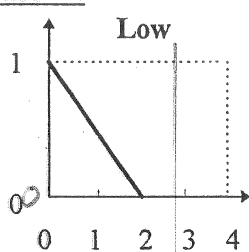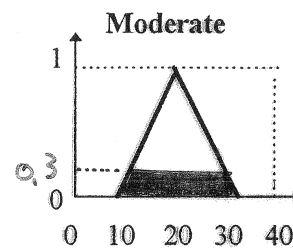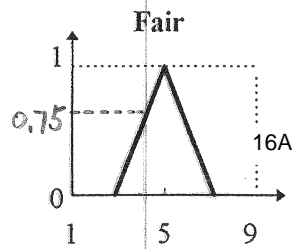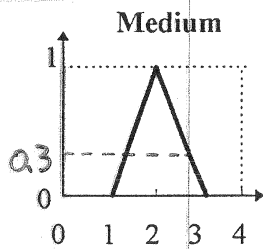
IF **Price** AND **Quality** THEN **Buy**
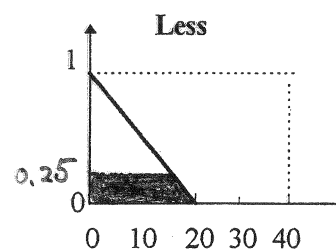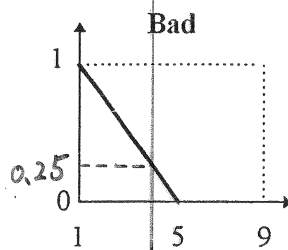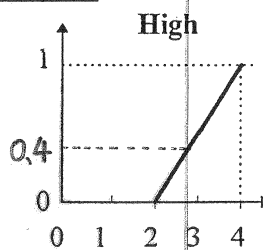
Rule 1:

Low — Good — More

Rule 2:

Medium — Fair — Moderate

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Rule 3:

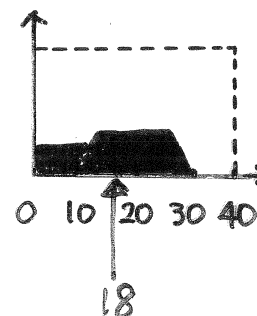High — Bad — Less

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2.8
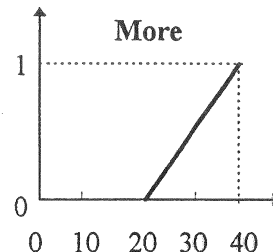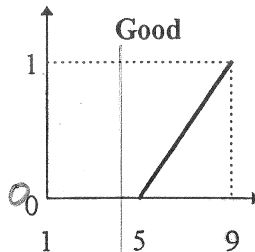
- Given crisp input condition:

  Price   is **2.8**
  Quality is **4**

- Conclusion:
  Buy ?

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Fuzzy Interpolative Reasoning with Fuzzy Input

IF **Price** AND **Quality** THEN **Buy**
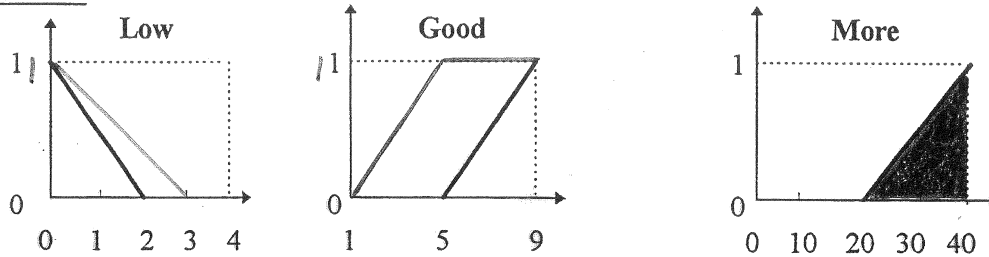
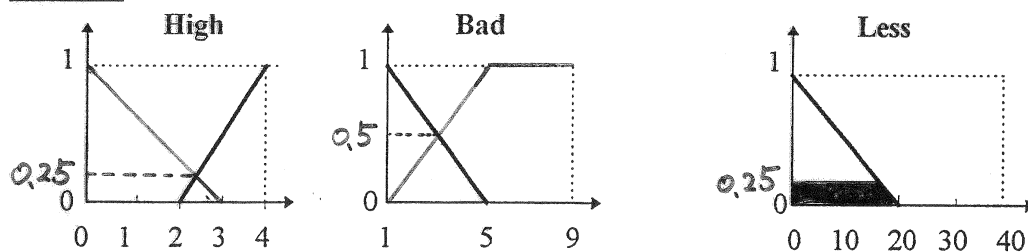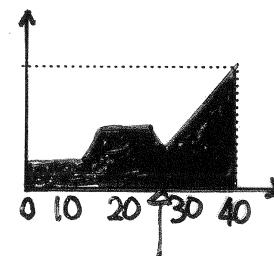### Rule 1:

Rule 2:
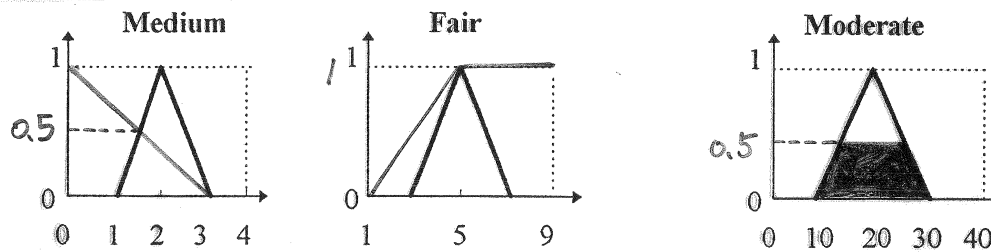
Rule 3:

- Given fuzzy input condition :

  Price   is **Rather Low**
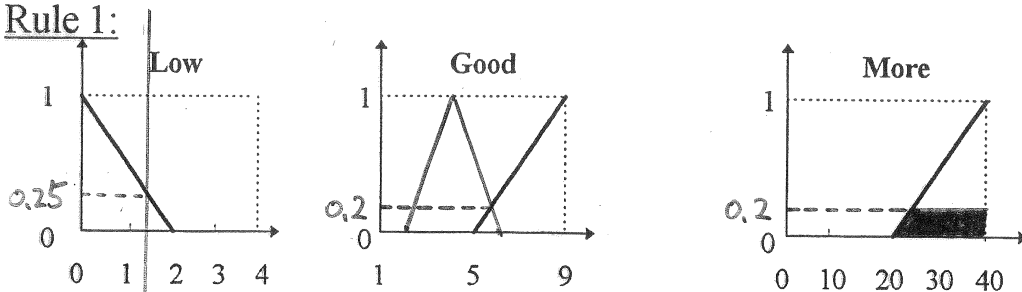 Quality is **Not Bad**

- Conclusion:
  Buy ?
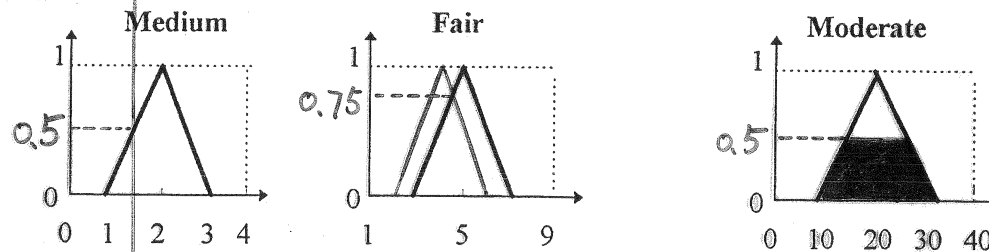

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Fuzzy Interpolative Reasoning with Crisp Input and Fuzzy Input

IF **Price** AND **Quality** THEN **Buy**

Rule 1:

Low Good More

Rule 2:

Medium Fair Moderate

Rule 3:

High Bad Less

1.5
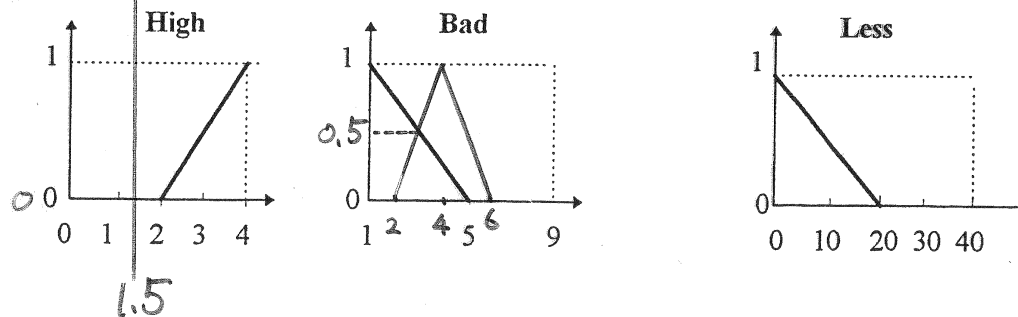
- Given hybrid input condition:

  Price   is *1.5*
  Quality is *a fuzzy number (2, 4, 6)*

- Conclusion:
  Buy ?

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