

### Sheet 3

#### Process Logic

A company follows the following sales promotion policy:

- 1) Preferred customers who order more than 1000 USD are entitled to a 5% discount, and an additional 5% discount if they used our charge card.
- 2) Preferred customers who do not order more than
- 3) 1000 USD receive a \$25 bonus coupon.
- 4) All other customers receive a \$5 bonus coupon.

Represent the previous process using structured English, decision tree, decision table.

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Construct decision table for the following company's travel expenses policy:

- If speed is not critical, employees grade 3 and below should take a bus for both local and intercity travel.
  - Whereas if speed is critical all employees should take the company car for local travel and domestic airlines (economic class) for intercity travel.
  - Employees who are grade 4 and above, should use domestic airlines (economy class) for intercity travel even if speed is not critical, and they should use a taxi locally.
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Represent the following using structured English, decision tree, decision table.

Suppose a parcel's weight is W kilograms. The rules of deciding the postage of a postal parcel is described as follow:

- If the parcel is to be sent by express, then the basic charge will be 6\$/kg, otherwise the basic charge will be 4\$/kg.
  - If the distance is over 200km, then each kg will be charged for one more dollar.
  - If the parcel's weight is over 10kg, then another 0.5 dollar will be charged for each kg that exceeds 10 kg.
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Represent the following using structured English, decision tree, decision table.

Suppose a parcel's (طرد) weight is W kilograms. The rules of deciding the postage (رسوم البريد) of a postal parcel (طرد بريدي) is described as follow:

- If the parcel is to be sent by express, then the basic charge will be 6\$/kg, otherwise the basic charge will be 4\$/kg.
  - If the distance is over 200km, then each kg will be charged for one more dollar.
  - If the parcel's weight is over 10kg, then another 0.5 dollar will be charged for each kg that exceeds 10 kg.
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