

## **Decision Tree and Decision Table Example**

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**Consider the following requirements for signal processing priority:**

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- 1. If a signal is from a device of Type A and the system is in Alert mode then the signal must receive priority handling.**
- 2. If the signal is from a device of Type B and the system is in ready mode, then the signal must receive priority handling.**
- 3. If the signal is from a device of Type A and the system is in Ready mode and the signal has been received more than 1 ms ago, then the signal must receive priority handling.**
- 4. If the signal is from a device of Type B and the system is in Alert mode and the signal has been received more than 1 ms ago, then the signal must receive priority handling.**
- 5. Under other conditions the signal must receive normal handling.**

## Part # Data Base Entry Validation Exercise

Develop a set of test cases to validate the correct entry of a data base record according to the following requirements:

1. The Part # must be in the current product parts list.
2. The Part Status Code must be (new/old/unknown).
3. Required Inventory must be a positive integer if Part Status Code is new or old.  
Required Inventory must be spaces if part status code is unknown.
4. Supplier must be a valid supplier in the subcontractor data base.
5. Automatic Reorder Flag must be Y or N.
6. Reorder Quantity must be a positive integer if Automatic Reorder Flag is Y.
7. Remaining Inventory Trigger must be a positive integer if Automatic Reorder Flag is Y.
8. Purchase Terms must be a positive integer if Supplier is in the Preferred Payment data base else it must be blank.
9. Part Price must be a dollar value.

