

(i) CONDITION STUB :- It describes the condition that could exist in the program logic.

(ii) CONDITION ENTRY :- It provides answers to questions asked in the condition stub.

Action part is also divided into two parts.

(i) Action Stub :- It states the action to be taken to meet each condition.

(ii) Action Entry :- It indicates the appropriate actions resulting from the answers to the condition in the condition entry.

Ex A company has three share holders Rahul, Raj, and Dev. Rahul owns 50 shares, Raj 30 and Dev 20. They decide to lay down rules to pass laws for the company. For a law to pass it must be supported by share holders some of whose holds accessing  $\frac{2}{3}$

of the total shares Right a  
~~decision~~ decision table<sup>for</sup> this rule.

| condition    | Rahul1 | Rahul2 | Rahul3 | ELSE |
|--------------|--------|--------|--------|------|
| Rahul's vote | Y      | Y      | Y      |      |
| Raj's vote   | N      | Y      | Y      |      |
| Dev's vote   | X      | N      | Y      |      |
| Action       |        |        |        |      |
| Law passes   | X      | X      | X      |      |
| Law fails    |        |        |        | X    |

### \* Advantages of Decision Tables:-

Decision tables are used in place of flowcharts because the following reasons.

- a) They are easier to draw.
- b) They provide a compact representation of the decision making process. A small table can replace several pages of flowchart.
- c) It is also much to understand a particular path down column than through several pages of the flowcharts.
- d) Decision tables can be changed according to the situation.

"Whenever you take a step forward, you are bound to disturb something." —Indira Gandhi

(e) Decision tables are best suited for calculating discounts, commissions or inventory control procedures.

\* Disadvantages of Decision tables:-

a) Decision table can not express the complete sequence of operations to solve a problem therefore, it may be difficult for a programmer to translate a decision table directly into a computer program.

b) When there are too many alternatives, decision table can not list them all.

c) Decision table does not depict the flow of logic for the solution to a given problem.