

### Logic Formulation

|                    |    |                                                  |
|--------------------|----|--------------------------------------------------|
| Data Terminal      | ○  | Start and end points of a flowchart.             |
| Initialization     | ◇  | Prepares memory space for data.                  |
| Input/-Output      | ▢  | Represents data input and output.                |
| Process            | ▢  | Handles data manipulation and computations.      |
| Decision           | ◇  | Processes conditions using relational operators. |
| Subroutine         | ▢▢ | Groups steps for a specific task.                |
| Flow Lines         | ▢▢ | Defines the logical sequence of the program.     |
| On-page Connector  | ○▢ | Links flowchart parts on the same page.          |
| Off-page Connector | ▢▢ | Links flowchart parts across pages.              |

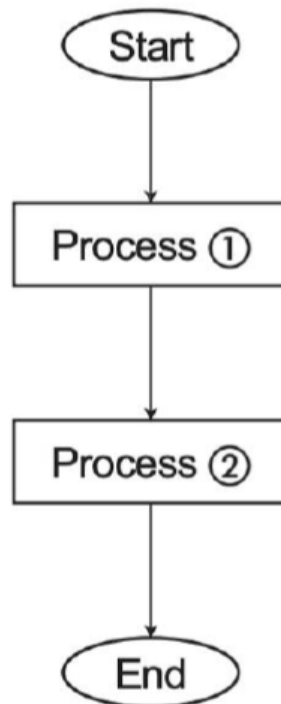
### Algorithm

Refers to a step-by-step processing procedure used to solve problems.

### Flowchart

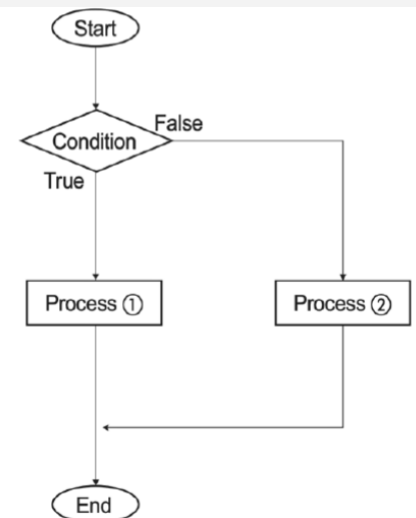
Graphical representation of an algorithm

### Sequence Structure



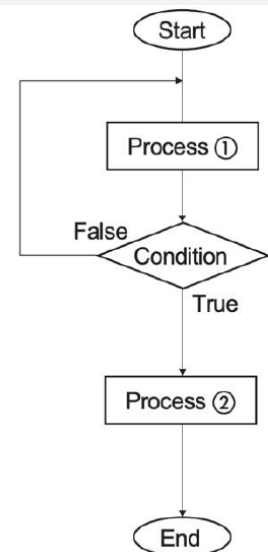
Represents a flow which is carried out in a particular order.

### Selection Structure



Represents a flow wherein processes are selected based on certain conditions.

### Repetition Structure



Represents a flow wherein a condition is carried out over and over again as long as a certain requirement is satisfied.