## Algorithm

Algorithms

## algorithm

noun

Word used by programmers when they do not want to explain what they did.

## How Babies Make Decisions


http://themetapicture.com/how-babies-make-decisions/

## Engineering Flowchart




|  | Terminal symbol (Start/Stop) <br> This owal shape represents terminal point in the <br> flow chart and generally contains words like Begin, <br> start, End and stop. |
| :--- | :--- |
| Progress or Computation <br> The Rectangle represent processing operation. <br> A process changes or move the data. |  |
|  | Input or Output Process <br> This shape represents input and output task. It <br> makes data available for processing (Input) or <br> recording the processed information/OUtput). |
|  | Decision Making and Branching <br> The diamond shape represents decision of <br> switching type of operation. That determines <br> which of the alternative path is to be followed. | | Connector |
| :--- |
| The circle represents logical flow one page of |
| flowchart to another page. |

http://clanguageprograming.blogsp
ot.com/p/flowchart.html

















## Remind from the previous session!

Write an algorithm which takes a number
N and prints if it is prime or not


Write an algorithm which takes a number $\mathbf{N}$ and prints it if $\mathbf{N}$ is prime


Write an algorithm which takes a number $M$ and print all prime numbers up to $M$


## START

read $\mathbf{N}$
$\downarrow$






## nested loop!

START


