# Algorithm Description – Vote Count

In plain English, point-form, think through the steps necessary to solve the given problem.

Make use of key words like *compare*, *iterate*, *store*.

In code, of course, these translate to conditional statements, loops, and using variables.

## Algorithm

* iterate…
* compare…
* store…

**Input**

* Ask for a total number of votes
* Check to see if input is nil
* Check to see if it is an INT Value
* Check to see if it is between 1 and 15 inclusive
* If any are untrue, iterate the prompt, if they are all true continue to second line
* Check to see if second input is nil
* Check to see if second input is letters either A or B

**Output**

* If input is less votes than first input print ERROR
* If input is not String print ERROR
* If input is not A or B print ERROR
* If input is string that has same number of votes as initial input, and are all A or B continue
* If there are more A than B Print A
* If there are more B than A, Print B
* If there are the same amount of B as A, print TIE