# 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 number of votes

-If the input is an integer

-If the integer is between 1 and 15 inclusive continue to next prompt

-Else prompt for number of votes again

-Else prompt for input again

-Input the vote types (**A** or **B**)

-If they are a string continue

-Else prompt again

***PROCESS***

-If the number of characters in the string match the number of votes

-If the vote characters are either **A** or **B**

-If number of **A**’s is greater that half of the vote count

-A wins

-Else if number of **A**’s is equal to half the vote count

-Tie

-Else

-B wins

-Else

-Error

-Else

-Error

***OUTPUT***

-Print the output designated in the process section