

Notes on RRR (Reader-Runner-Referee)

Here's a set of instructions that can be used as practice before going full-blast with our RRR role-playing exercise; as mentioned, these 3 R's stand for:

- *Reader* — Reads the current instruction, then stands by until the next instruction is requested by the...
- *Runner (or Recorder)* — “Performs” the read instruction, keeping track of any necessary information and determining the answers to yes/no questions
- *Referee* — Watches over the entire proceeding, making sure that no mistakes are being made

1. Choose a name.
2. Write it down; from now on we will refer to it as “the name.”
3. Write down the letter “A”; from now on we will refer to this as “the current letter.”
4. Designate some empty space on the paper for something that will be called “the answer.”
5. Is “the current letter” part of “the name?”
6. If yes, add that letter to “the answer.”
7. Is “the current letter” the letter “Z”?
8. If yes, then go to step 10.
9. If no, change “the current letter” to the next letter in the alphabet, then go to step 5.
10. The final result is whatever “the answer” is.

Can you determine the computation that is performed by this set of instructions?