Algorithm plan:

Things to do before starting to do the problem (Think):

- Analyzing the problem

  - Read the given word problem and try to understand the problem we might have an previous insight or anything we learnt in class.

- restating the problem

  - After analyzing the problem trying to think of ways we can solve and see if our solution is ok for the given problem

- write out examples of input and output

  - After we have an idea come up inputs and outputs for the question so that we can run testcases with the input and outputs after executing the code

- break the problem into its component parts

  - Reducing the problem to such a small case makes it more approachable and clarifies the first step you need to take. Your task from there is to develop a procedure which solves that simple case *and* holds true for all other cases in the problem set.

- outline a solution in pseudo-code

  - identified the core tasks and hopefully spotted the flaws in our own assumptions and any gotchas, we write out a human-legible description of what our approach will be. Hopefully once we've done that, we can cleanly transform it into working code.

- step through your examples data with the pseudo-code

Execution:

1. Code it up

2. Test your solution against your examples

3. Revise your code if you have any errors

❖ we can do any word problem questions by going through these steps to implement it.

Name: Jayaprakash Ginjupalli

Ubid: jginjupa