**ESTIMATION AND PREDICTION HOSPITILIZATION MEDICAL CARE COST S**

**DYNAMIC PROGRAMING:**

The dynamic programming algorithm tries to find the shortest way to a solution when solving a problem. It does this by going from the top down or the bottom up. The top-down method solves equations by breaking them into smaller ones and reusing the answers when needed

 A greedy algorithm gives optimal solution for all subproblems, but when these locally optimal solutions are combined it may NOT result into a globally optimal solution. Hence, a greedy algorithm CANNOT be used to solve all the dynamic programming problems.

**Optimal Memory** Utilization

Generally, we recommend 8GB of RAM for casual computer usage and internet browsing, 16GB for spreadsheets and other office programs, and at least 32GB for gamers and multimedia creators. How you use your computer influences how much RAM you need, so use this as a guideline.

**optimal utilization algorithm in medical field**

Calculators, e.g. an on-line or stand-alone calculator for body mass index (BMI) when stature and body weight are given; Flowcharts and drakon-charts, e.g. a binary decision tree for deciding what is the etiology of chest pain.

**Here are some more algorithms we can explore on our own to further our knowledge.**

* Quicksort.
* Traverse a binary search tree.
* Minimum spanning tree.
* Heapsort.
* Reverse a string in place.