Dynamic Pougosamming

- Dynamic programming is applicable when the subproblems are not independent, i.e., when subproblems share subproblems.
- Dynamic pougoamming algorithm solves every subsubposoblem just once & then saves its answer in a table, thereby avoiding the work of succomputing the answer every time the subsubposoblem is encountered.
- · Dynamic psugramming is typically applied to optimization psublems.
- · eg: Optimal matorix multiplication.
- The development of a dynamic pologolamming algorithm can be botoken into a sequence of Jour steps.
- -> Chasactesize the staucture of an optimal solution
- -> Recuasively define the value of an optimal solution.
- -> Compute the value of an optimal solution in a bottom up Jachion
- -> Constaut an optimal solution Jacom computed information
- The essential difference between the goveredy method & dynamic possession sequence is ever generated. In dynamic possessamming, many decision sequences may be generated.