Dimulated Americal and evolutionary algorithm both can be periformed to get good arough individual. Simulated Americality is good when good scheduler function can be formed. But it has domorat of toughness of make forming good schedular function are mapping. Simulated Annealing can be applied to a variety of problems involving mannealing, metal melting etc. However, if cost function greaph, is such that it has too much curveness all over the period (i.e. keeping up-down all the time), Simulated annealing may not pertiform good.

In case of evolutionary algorithm, its merrit is it is preactically alike to human/species crossover, and mutation. In this field of genetics, it can be widned to used. However, study regarding evolutionary algorithms has not been done too much. And it is usually applicable to a small set of problems Repeated-restant hill climbing may outperform it in most of the problems,

En a constraint satisfactory problem, variables should be letters as much as we would be constraints we can. Because, in an the usual constraints domain writing and formulations So, using big bulky words may make it combensome. To keep it, morre treats treadable in easy formulating, we should use letters. If multiple letters are used for same variable, we should keep them as little as possible, yet meaningful,

De lf there are n cities,

Variables will be X1, X2, X3, ..., Xn.

For each variable,

domain will be the set of cities if cities

are AD, Dhaka, Chittagong, Reighali,

anagoloused of order plants. 19

estoner to their est or

Di= & Dhaka, chirthagong, Rajslahi) fore each i

Constraints: -

1. All diff (X1, X21x3,, Xn). That is all voriables will be assigned distinct value).

there is a moad between X; and Xi+1' 2. For each i=1 to n-1,