clesigning and automobiles. vent system are principle two popular expert lyster used for more Andustries, 97 is use of possible fund, Respicious ise baskers that if they should V. In redical diagonsis, the expert pyster is used, if was the first area where there wish.

Ither pyster were wish.

Vi. The expert pyster can also be used for planing of scheduling fore particular tasks for which in goal of that tasks.

HOW to overcore continutional explosion in TSP Corbinatorial expossion refers to repid

increase in the number of possible solution

as the problem light presents making the

Computationally experiment to find an applied

Solution.

Methods to oversome this: 1) Mewistic rethod: Start from random city & always choose the nearest of unvisited city, until all cities are visited.
2) Metaheuritic Algo! Genetic Algorithm. Solution are represented as chrosomes, which indurys selection cromover and retation operations to evolve towards on optimal solution.

Sirulated amealing: It allows for some bot roves to escape local optimal explore the Solution grace more effectively.

3.) Approximation Mys. Timer Spenning Frees (189)

Algo like Kruskely Row algo con be

used to first a 18T of the graph

b ralify to form to recte

4) Bring technique

Climate branches of the search true

that comot lead to an aptiral solution reducing number of solution that can be 92 What is the learning from townshing Silestan Toweling Saleron pobler Btates that the · Salespenson how to visit each house in Salesperson how to visit each how in

city by taking the shortest Path.

2 The hores are depicted as podes the peths

os colges, its goal is to keep both the

travel costs and distance trioulled as low

as parible.

3. The learning from this probler Includes first a

Solition which is rost optimal to rect the

goal by wary the garatic adjorithm rethol

4. The garative algorithm explays the rehals

where all the solution are gapresated as chronous which undergo Selection, crossover outotion operations to evolve topass on optimal solution.