CHTE Tutorial No. a 1 (21. oll Wo 2 07 0Tutorial 2:- To underestand State Space problem formulation Tim of To understand State Space based frieblem fournolution of AI problem to that problem solving Agent can be capplied Theory o- Triust we understand it Agent first formulates goal them determines con rat Le caction squence, Searches ion I which it votuins the ment action to be executed in a sequential commencer. Punction of SIMPLE - PROBLEM - JOLYING -)
(Bough) vietures an Xctions States & Seg, an action Sequence, intial the coverent word state goal, a goal inteally mills froblem, a froblem formulation State - Update - State State, percep goal = Toumulate - Goal (Stale)

Seg = Search (froblem)

wotion = Twist (Seg)

Seg = Kest (Seg) return action. Delining the problem is verbred froblem to referred to formulation. It says is defining following five things I State : It is the Starting Hate the tions of It defines call possible actions

Adiable to the cagent, given

in in Some State awvently

It is a function Action (5) that vietures list of all post Totansition Model :- Also known as Succes which state is the System tend to comove to upper a particular acto the agent. Successive executed copplication of transition model gives vive to what is known as state Space.

Test 5- This act cas when the State of and Secuching would Test 3- This is accus fectormine the the caction sideration

Navigate to KGCE nowbythop MOD IT Calin with minimum inumber of moves move com be Climbing or califting stavicall twining left, veight, walking through 2 8 puzzle problem: The Mission caries rand Carmibous problem There are Missionaries are and Itself agnibally who must down o sives war foul which can cavy most two feels and the constraint that for fresent con the base they cannot be count numbered by cannot be were, The considers would car crives by itself with no feels on N Busens Juloblem, Lovay N Queen Novoss N ches board. Two voors Yaccum Cleaner world. Water jug froblem Resources :- crefere to Second Chap Som Skretificial Jontelligence.