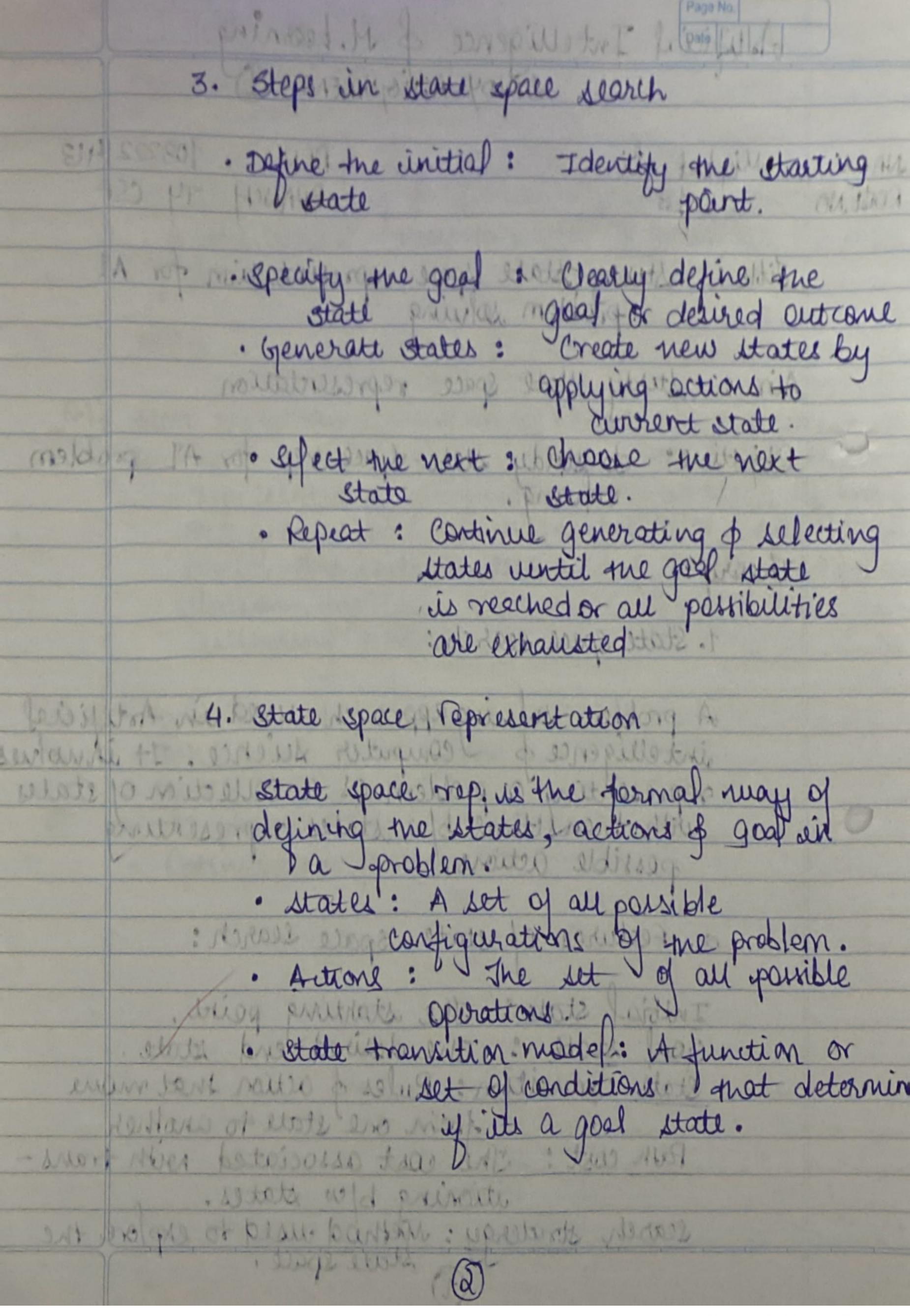
Astificial Intelligence & M. Leoning NAME Migdad Aliss : De PRN 103222/413 BRANCH TY CSF ROGENO 18 Title: Study state spare representation for A1 · Generally solds : Crede went states on Ain study state space representation Objective: Jo study state space rep. for AI problem soluing. · Repeat : Continue generating o belleting Theory of our librer whole is resched or all politibilities 1. State space search: A problem-solving approach used in Artificiel intelligence & Computer suience. It iknobre que representing a problem as a collection of states with transletions b/w states representing pessible actions: 1000-100 states: A set of all possible a. Features of state space search: Intial state to The starting point. o mit Goal state : The desired lend state. State Transition: Rules of action that more total son it from one state to another Path cost: The cost associated with transutioning b/w states. search stratergy: wethood used to explore the



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	Conclusion:		
	State space rep. is a foundational concept in		
	problem-solving & search alaprithm promiding		
	problem-solving & search algorithm promiding a structured very to model & navigate complet		
	problems.	Jo 03 Th	
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0.1	State space representation of 8 Puzzle problem.		
-	In the 8-purzle problem, the state space is		
	represented by	all possible	e configuration of the
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0.27	Application of stat	e space sea	ouch.
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	· Puzzle solving	,	100 -tz -E
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