AF S	
-	Postlab
-	Advantage Disadvantage
12	Allows systematic exploration Complexity increases exponentially
1	spossible states and transitions with problem size
	can find optimal solutions for problem - May get stuck in local optimal or
1	with well-defined state and transition rules sewich spaces with infinite loops
1	usedul der modeling and solving Requires corredul disign and
1	a wide range of problems in AI, implendation to ensure efficiency
	relading search and planning and correctness.
00	simple and easy to implement prone to getting stuck in local option,
2	especially in rugged sewich spaces
	Iterative improvement leads to - cannot guarantee finding the
	quick convergence alobal applianum
	- suitable for problems with a - sensitive to intical starting
	continuous search space points.
=>3	Simple hill Climbling: Theratively makes small improvements to the
	current solution.
	steepest Ascent hill: Considering all neighbours states and selects He
	one with the highest improvement
	Random Restart Lill climbing: Randomly restart the search from
	disserent initial states to escape local optimal.
	Simulated Annealing: Indroduces randomness to escape local optimal
	by allowing uphil moves with a decreasing
	probability.