	OFT
9521 Exp. 7.	
1. Advantage	Disadvantage
state and transition rule useful for modeling and shari solving a wide	- complexity increases exponentially with problem size - May get stuck in local optimal, for search spaces with infinite aloops - Requires careful design and implementation to ensure efficiency and correctness.
2 -simple and easy to implement. - Herative improvement teads to quick convergence. - suitable for problems with a continuos search space	- prone to getting stuck in local optima, esp in rugged search spaces - cannot guarantee finding the global optimum - sensitive to initial starting points
3 simple hill climbling: Iteratively makes small i'mprovements in the current solution. sleepless Accent hill: considering all neighbours states and selects the one with the highest improvement.	

