

P. NP NP-complete NP hard Example.
 Solution Non-deterministic Polynomial-time

P.	NP = NP-complete	NP hard
Dijkstra	哈密尔顿路径问题(决策) $\exists j \leq k$	TS 最优距离
DFS	subset sum	Kolmogorov 复杂度
BFS	3-SAT	
GCD	Vertex Cover	
2-SAT	哈密尔顿回路问题	
Branch & Bound		

find a feasible path between two point: DFS BFS

N Queens puzzle.