- O Are the following applications of AI
- a) Finger print touch ID XX store info only.
- b) Speech translation U NLP
- c) Barcode scanners X signal processing
- d) Web search engines based on key word XX information retrieval
- e) GPS navigation device adaptive to traffic condition V

il initial state $(\{\},\{M,G,F,P\})$ goal state ({ M, G, F, P } , { 4) (1) O Take F O Take B 3 Take P @ Leave alone (i)) ({ }, {M,6,F,P}) > 9 > ({M,6}, (F,P)) >@ > ({G \ , {M,F,P \}) > 0 > ({M,F,6}, {P}) 或 ③ $\Rightarrow 0 \Rightarrow (\{F\}, \{G, M, P\})$ 3 3 ({F,M,P}, {6}) > @ > ({F,P}, {M,G {})

> 0 > (}F,M,P,G 9, } 1)

3 DFS					
open	closed				
A	ΙJ				
EBJ	A				
FGBT	EA				
GBT	FEA				
HIBJ	GFEA Coal				
BJ	IHGFEA Goal				
CDJ	BIHGFEA				
J	DCBIH6FEA				
kL	J ∽				
MNL	k ~				
7	NW ~				
ΙJ	L ~				

BFS

T J

closed open C J A A EBJ ξA BJFG BEA JFG CD JBEA FGCD KL CDK LHI Goal GFJBEA KDCGFJBEA NM IHL KDCGFJ BEA

IDS depth=	- \	depth	=2	depth=3
· 6	A J J Close d E A BEA TBEA	open A EBJ FGBJ BJ CDJ	closed CJ A EA FEA GFEA BGFEA	same as DFS