O. Breadth- first Search
Opan list Explored Set
(START)_ O
P.F. (D2) START
C,B,P,E) D START
P,H,C,B,P FD START
QRHCB) PEDSTART
AGRH (A) BPED START
A,Q,R,A) CBPED STAR?
A, a, R) H C B P E D START
F,A,B)RHCBPEDSTART
A Q R H C B P E D STARI
GOAL FAQRHCBPEDSTART Finish!
PATH: START -D D => P -> B -> C -> H -> R -> Q -> A -> F -> GOAL
Porth (ength=//
· .
Path found: START-E-R-)F-BOAL depth=4
Path found: START-)E->R-)T->GOAL depth=4
Porth found: START-E-R-) F-> GOAL depth=4
Path found: START -> E -> TE -> GOAL depth = 4 (2) Uniform Cost Seavels Open list Explored Set
Path found: START -> E -> TE -> GOAL depth = 4 (2) Uniform Cost Seavels Open list Explored Set
Path found: START -> E -> T -> GOAL depth = 4 (2) Uniform Cost Seavels Open list Explored Set ETART -> E (9), D(3), P(1) START
Path found: $START \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (2) Uniform Cost Search Open list Explored Set (TART) O $E(9)$, $D(3)$, $P(1)$ O O O O O O O O
Porth found: START -> E -> T -> GOAL depth = 4 (2) Uniform Cost Seavels Open list Explored Set ETART O START D START
Path found: $START \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (2) Uniform Cost Seavels Open list Explored Set $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (2) Uniform Cost Seavels $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (3) Uniform Cost Seavels $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (4) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (4) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (5) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (6) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (7) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (8) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (9) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (9) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (9) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (9) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (10) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (11) $ETART \rightarrow E \rightarrow R \rightarrow F \rightarrow GOAL$ depth = 4 (12) $ETART \rightarrow E \rightarrow F \rightarrow GOAL$ depth = 4 (13) $ETART \rightarrow E \rightarrow F \rightarrow GOAL$ depth = 4 (14) $ETART \rightarrow F \rightarrow GOAL$ depth = 4 (15) $ETART \rightarrow F \rightarrow GOAL$ depth = 4 (16) $ETART \rightarrow F \rightarrow GOAL$ depth = 4 (17) $ETART \rightarrow GOAL$ depth = 4 (17)
Path found: $START \rightarrow E \rightarrow R \rightarrow F \rightarrow GoAL$ depth = 4 (2) Uniform Cost Search Open list Explored Set ETART $E(9)$, $D(3)$, $E(9)$, $E($
Path found: $START \rightarrow E \rightarrow R \rightarrow E \rightarrow GOAL$ depth = 4 (2) Uniform Cost Seavels (3) Uniform Cost Seavels (4) Cpen list Explored Set (5) TART (6) (9) (13) (13) (13) START (14) (15) (15) (15) (15) D, P, START (15) (15) (15) (15) (15) B, D, P, START (16) (16) (16) (16) (16) (16) (16) (16)
Path found: $START \rightarrow E \rightarrow R \rightarrow F \rightarrow GoAL$ depth = 4 (2) Uniform Cost Search Open list Explored Set ETART $E(9)$, $D(3)$, $E(9)$, $E($

R(3+2+1+4+3), C(3+8), Q, H, A, E, B, D, P, START
(P(3+2+H4+3)) C, Q, H, A, E, B, D, P, STAR7
(F(3+2+144+3+5)) R, C, Q, H, A, E, B, D, P, START
GOAL F, R, C,Q, H, A, E, B, D, P, START
(3+2+1+4+3+5+5) = 23
Final Path: START-D-E-H-)Q->R->F-)GOAL
FIRST ALLE STATE OF THE STATE O
3) Depth-firsth Search (DFS)
START
START D
START DB
START DBA
START DC
START DCA
START DE
START DEH
START DEFLP
START DEHPQ
START DEHPQR
START DEFIPQRF
START DEHPORFC
START DEHPORFCA
START DEHPORFGOAL

@ Bidirectional Se	nds (RFC)
(4) DIWITECTIONS SEC	
Explored Set	Explored Set
OT AT	
START	GOAL
PED	F
-CBPE)-	R
	>
RHCBP	
-	22/ 07/27 17 12 27 20061
Finish.	⇒ Path: START -> E-> R-> T-> GOAL