Graphs. -DA Data Stancture: - which is used to represent Paiswise relation b/w objects Appl: Maps. Derected graphs - supersuit as a pair(v, E) -D Edges ore represented as Federal Pairs 1) Edges are represented as mordered purs (4,v) - 2 Edge. diecked starts from U. Degra of verters! deg(v) Ln-1 * Downbod indeple outdeples deg-(v) deg+(v) * Undiestad b d → deg(a) = 2 (c) = 1-ppendent voltage. cb) = 3& Connected greath !- Path Was Every Pails of vertical. * Complete gerath multiple Edges b/co tus vertices * Kefrasentation: - padjacency list -DSParse grafts Common padjacency material -squee deals A represents -D NO. of Poths of length 2 45 from verkers 1 to) A=0[000001] 0 to 6 cs (5)-(3) Graph Traversal Algorithms as visiting all vertices and Edges.
Breath first second

1 ____ 2 __ B BFS: - 1,2,4,5,3,6, Depth first Secarch DFS: - 1,2,3,6,7,4,5