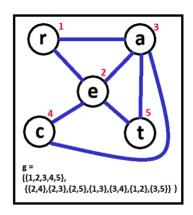
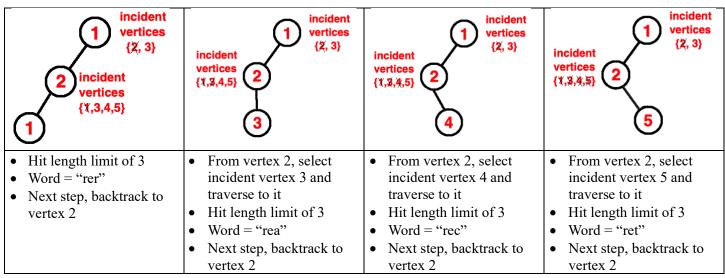
The first few steps in a DFS of REACT graph

- 1. Word length max = 3
- 2. Start with vertex 1 and do a DFS from there
- 3. Diagrams below start with DFS having arrived at word length 3 and built the word "rer"







- But when we get back to vertex 2, there are no more incident vertices
- So, backtrack to vertex 1
- From vertex 1, select incident vertex 3 and traverse to it
- Word = "ra"
- Continue with DFS on vertex 3's incident vertices, which are {2,1,5,4}