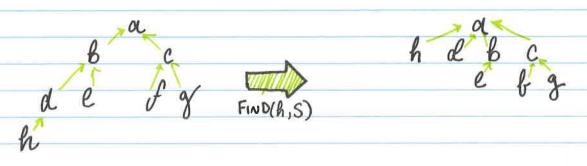# PATH COMPRESSION

- DURING A FIND, AS WE GO UP TO FIND THE "ULTIMATE PARENT" WE POINT ALL NODES WE PASS TO THE NEW PARENT

- EVENTUALLY ALL NODES POINT TO ROOT

- LOOKUP BECOMES CONSTANT