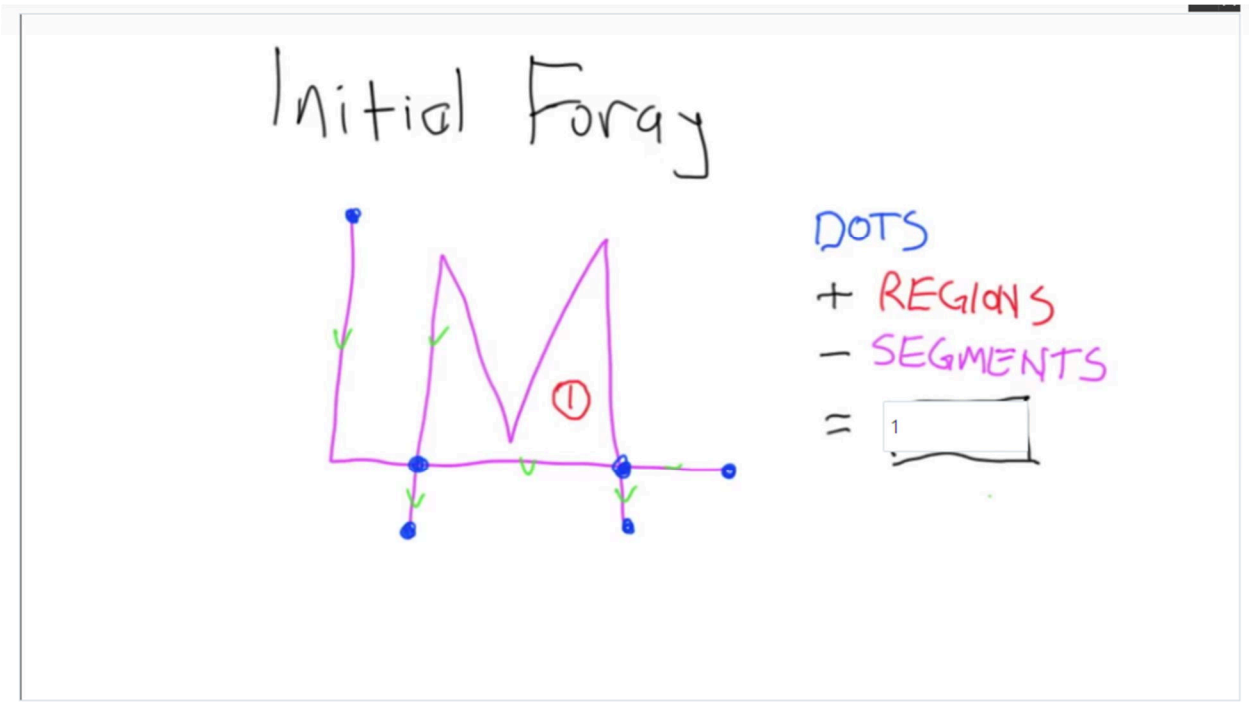
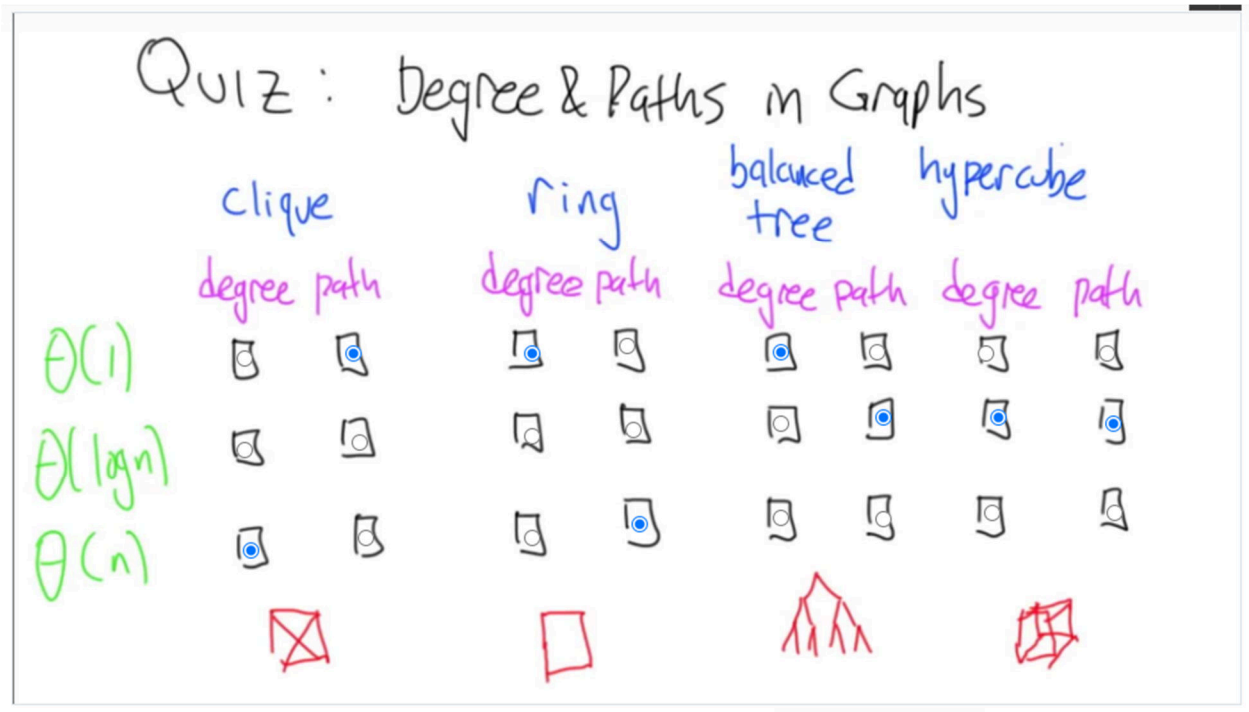
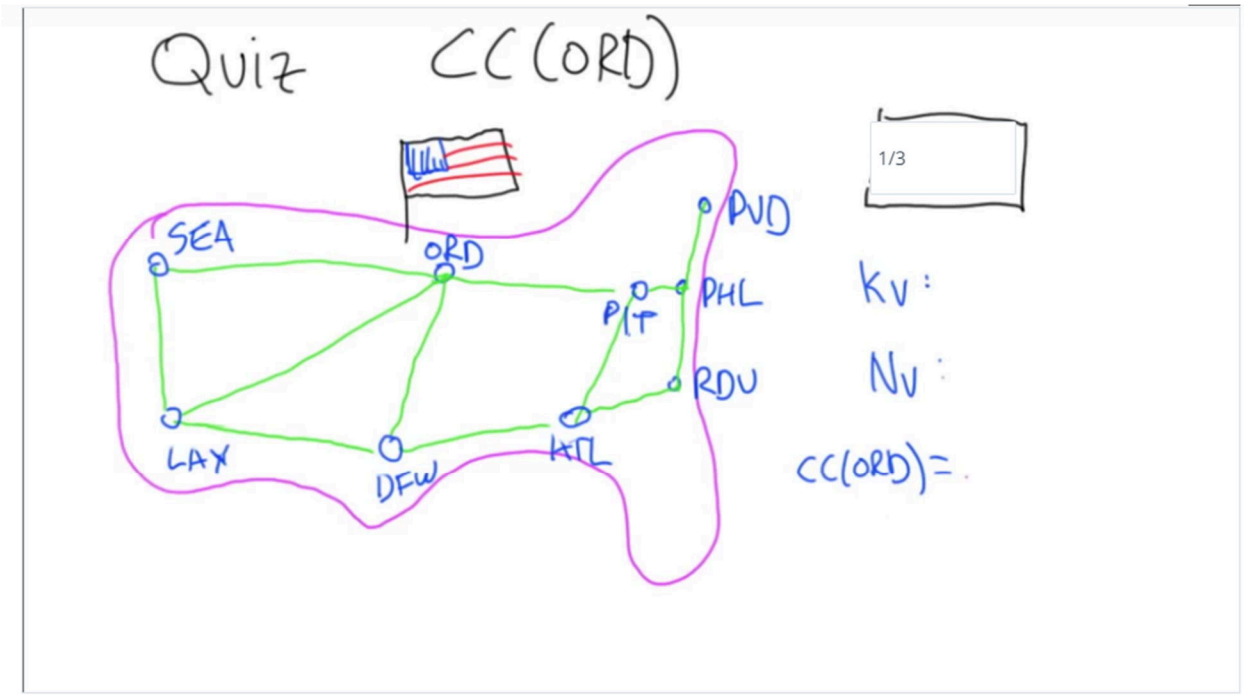
Initial Foray



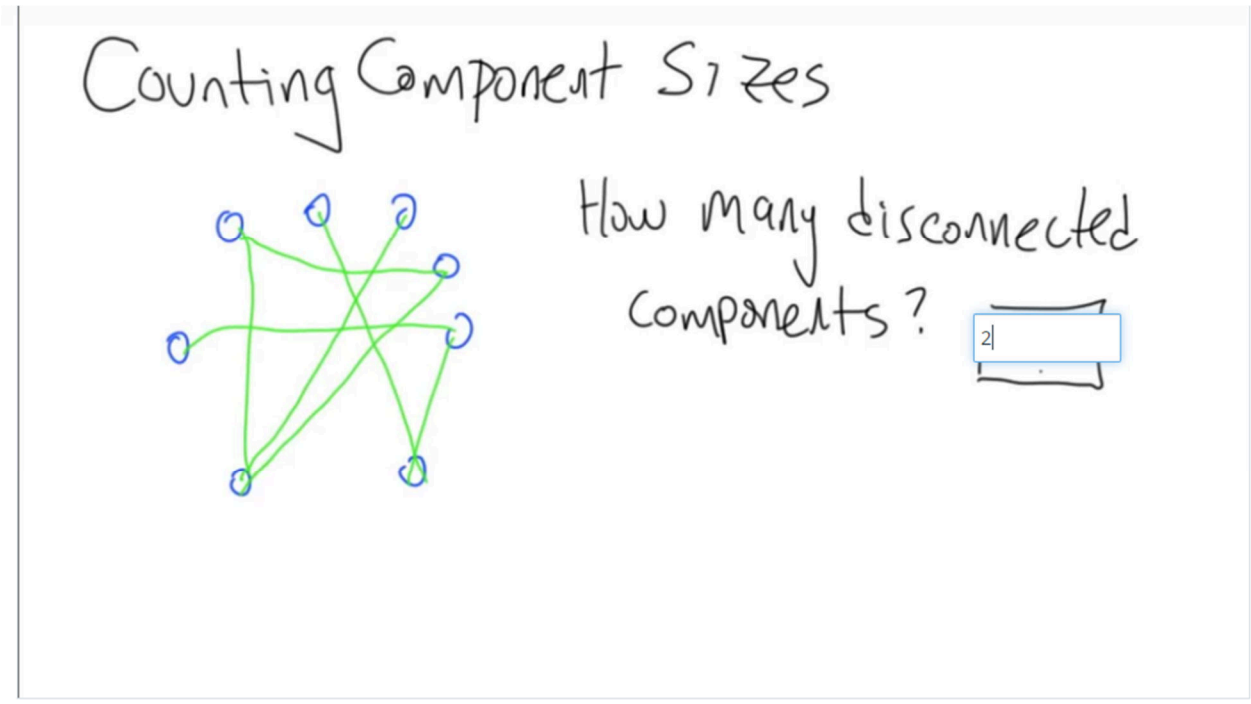
Properties of Social Networks



Clustering Coefficient Quiz



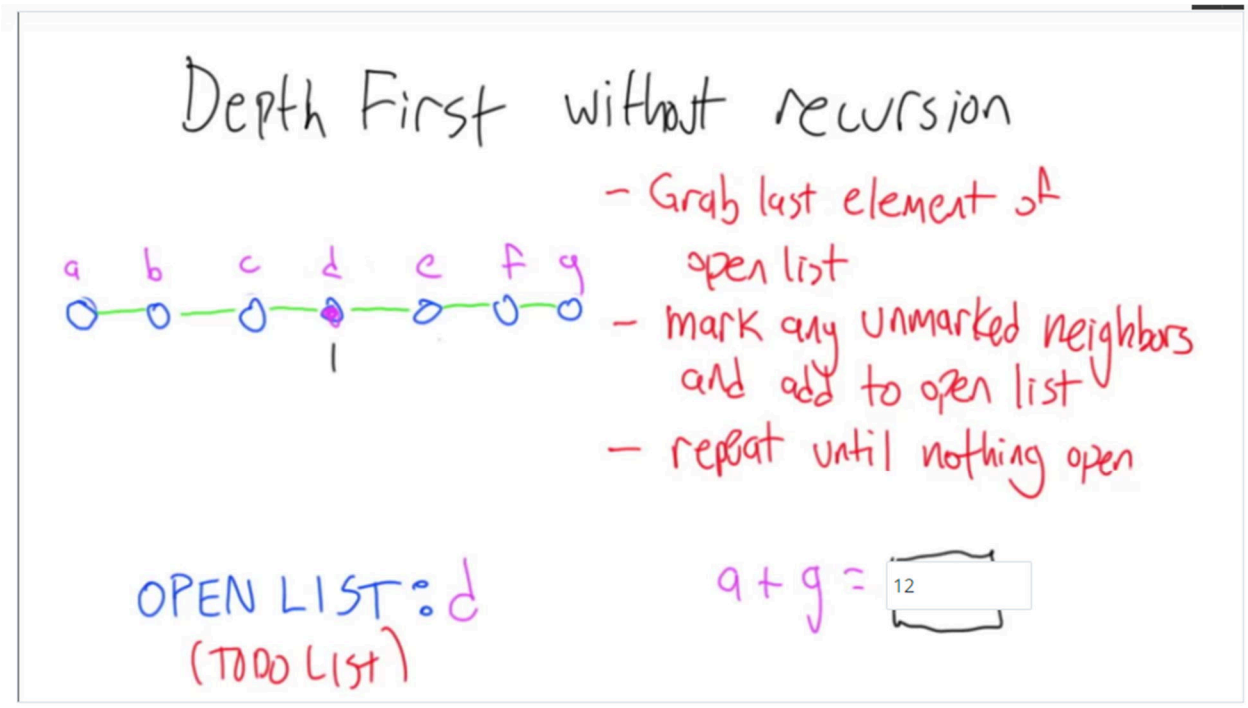
Connected Components



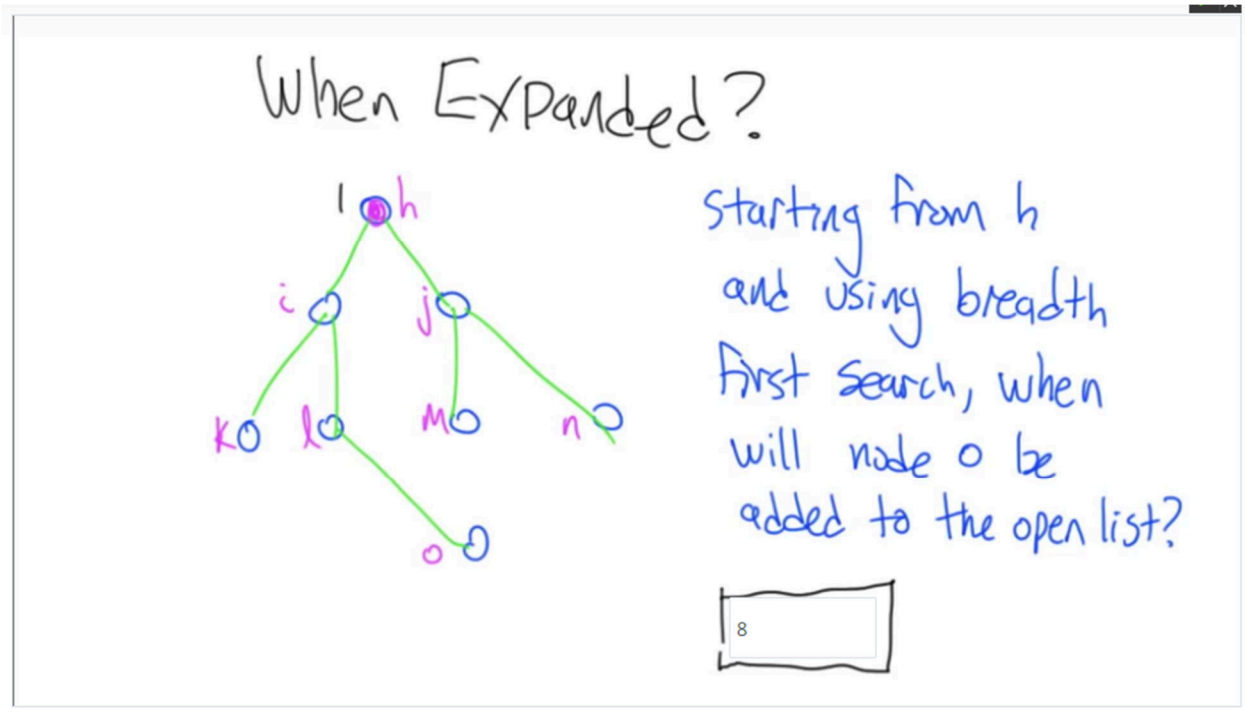
Checking Pairwise Connectivity

```
def check_connection(G, v1, v2):
    marked = {}
    mark_component (G,v1,marked)
    return v2 in marked
```

Depth First without Recursion



Searching a Tree



Single Source Shortest Paths