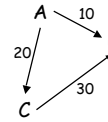


Graph Traversals And Reachability

Stephen Freund
CSCI 136

Last Time

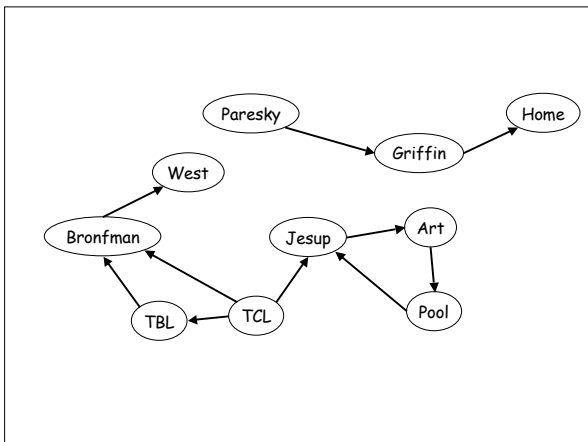
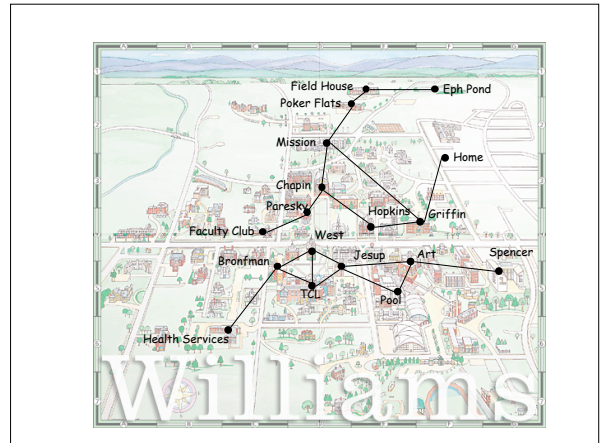
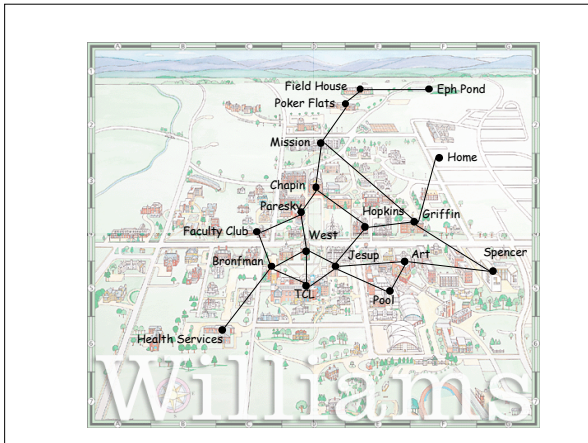


Adjacency Matrix:

	A	B	C
A	-	10	20
B	-	-	-
C	-	30	-

Adjacency List:

A: [A->B,10] [A->C,20]
 B:
 C: [C->B,30]



Depth-First Search

```

void reachableFrom(Graph<V,E> g, V src) {

    if (!g.visited(src)) {
        g.visit(src);

        Iterator<V> neighbors = g.neighbors(src);
        while (neighbors.hasNext()) {
            reachableFrom(g, neighbors.next());
        }
    }
}
  
```

