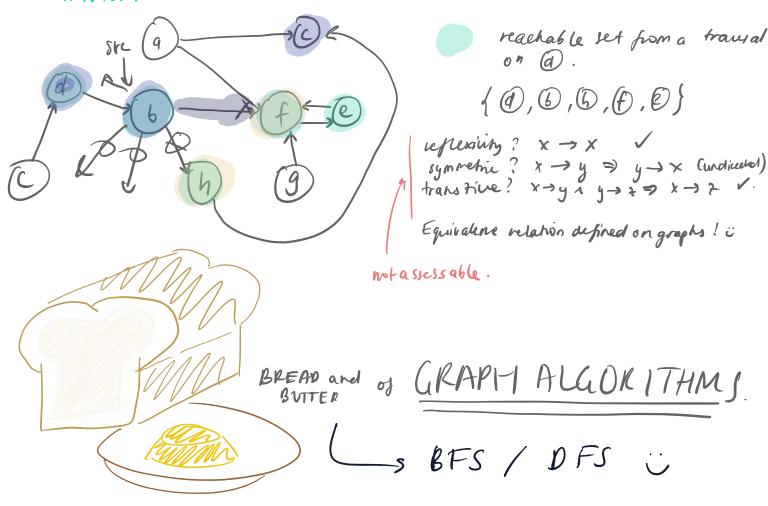
REACH ABILITY



Pseudo code (Recumu PFS)

```
bool reachable (Graph g, Venex src, Venex dot)

Set s = newset(); "preamble returp.

return reachable the (g, src, dot, s) e add roset

bool reachable the (Graph g, Venex src, Venex dot, set seen)

or

roid if (src == dot) return |

("src == dot)
```

Ok what OF we want to print out a path from sre-sout?

AUGMENTISET/TOBE A PARENT STRUCTURE

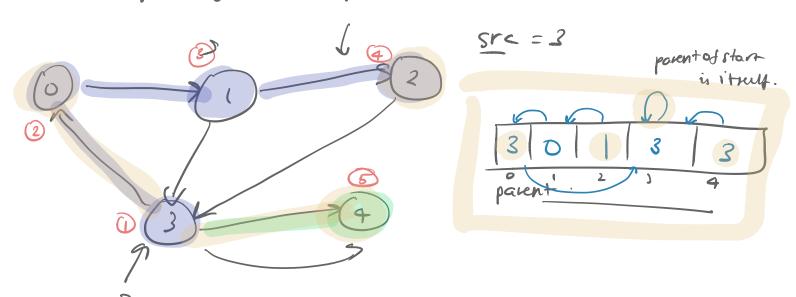
IDEA: Instead of quenjuy if he're seen a restex.

QUERY for the "PARENT" of a mode in our aurunt path.

Q: Do we still need a 'seen' set?

A:

* Relow diagram only norus for integer labelled vertices.



Given a mode you want to print a path for, how can you use parent to print a path?

Next lab you'll get to practice this technique!

Hamiltonian / Euler Patrs / Curcuits

Compared to the state of the sta