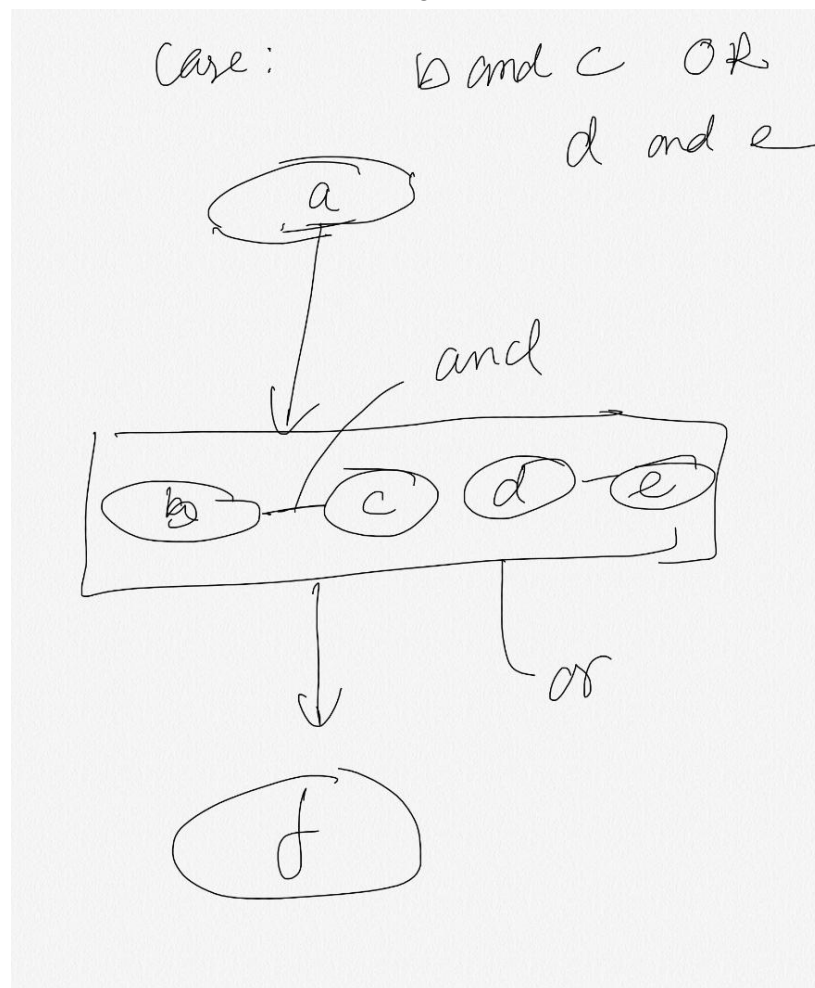


Library: Mermaid

1. Looks easy and convenient
2. Works with basic css styling
3. Install using npm which we already have on the VM  
(<https://github.com/mermaid-js/mermaid-cli>)
4. Can be done dynamically:  
<https://stackoverflow.com/questions/65212332/how-to-render-a-mermaid-flowchart-dynamically>

How to organize?

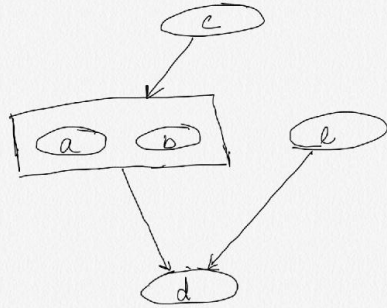
1. Make another page for visualization:
  - a. This will help us not mess with the courseSearch page
  - b. It handles the "given X, i have to take Y to get there" as opposed to the "given X i can take Y" case which is already satisfied by the courseSearch
2. Make one graph per course:
  - a. User enters a course that they want to take and we show them which courses get them there.
3. AND/ OR cases:
  - a. And cases: {(a and b) or (c and d)}
  - i. Solid horizontal line representing and



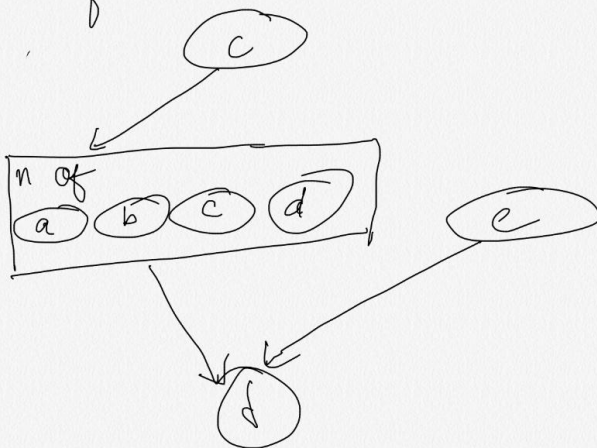
- b. OR case:
  - i. {a or b}
  - ii. {1 of a, b, c, d}

iii. {n of a, b, c, d, e}

OR Case  
(i) {a or b}  $\rightarrow$  works for one of case

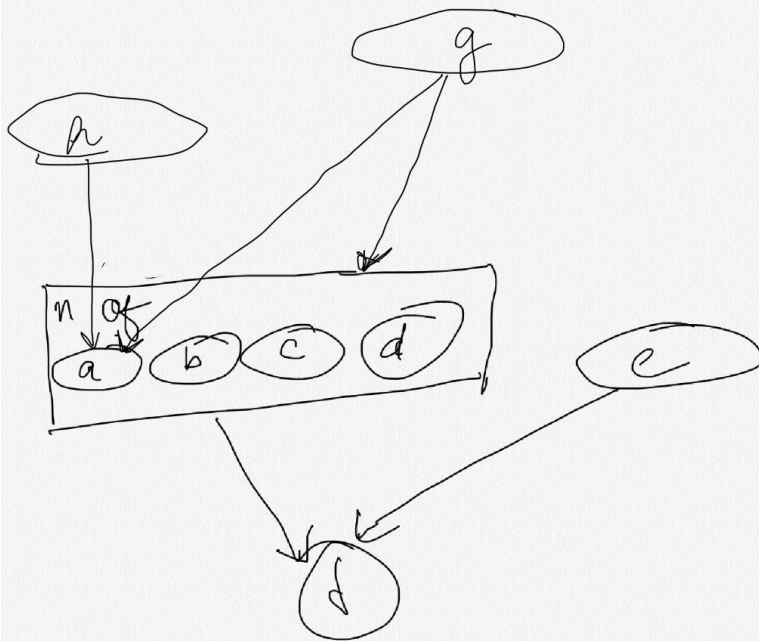


(iii) neg case



How to show pre reqs for  
the or courses?

let's say a ' needs g and  
h



Overall page design:

