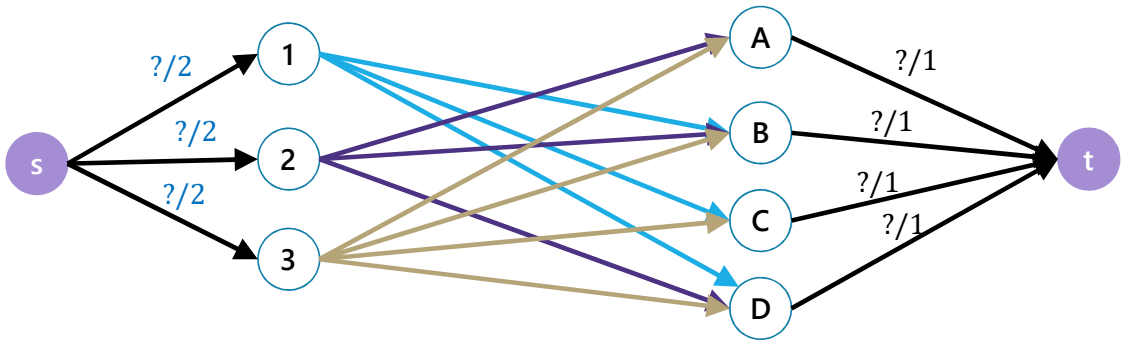
Example Problem

Idea: Flow from 1 to B means "make housemate 1 do chore B."

Every chore needs to be done (by one person).

Every person needs to do at most two chores.



Why are all of our constraints met?

Every chore gets done

No one does more than 2 chores

People only do chores they're capable of

Another Problem

pollev.com/robbie

You run two coffee shops. You have to decide who will work at which of your shops today:

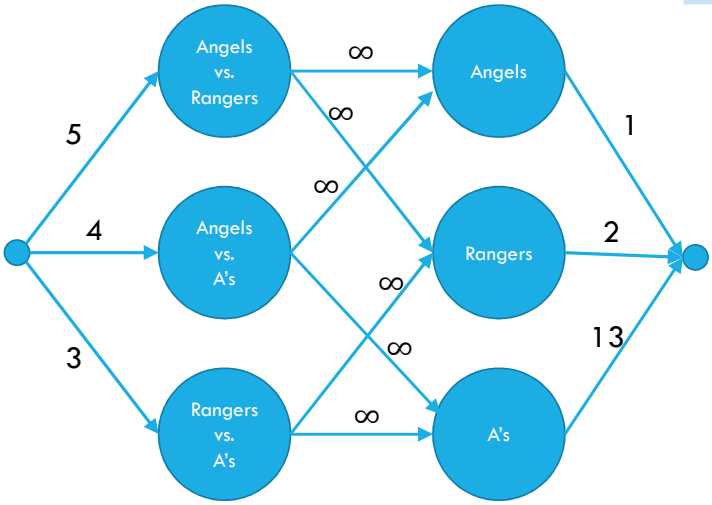
A, B, C are all capable of managing a shop.

D, E, F, G are all regular employees (can't be a manager)

You need at least one manager at each shop, at least 3 people (total) at shop 1 and at least 4 people (total) at shop 2.

Hint: think of assigning managers and non-managers as separate…

Making a Network



	Angels	Rangers	Mariners	A's
Angels	-	5	3	4
Rangers	5	-	4	3
Mariners	3	4	-	5
A's	4	3	5	-

Team	Wins (w)	Possible Wins (P)
Angels	81	93
Rangers	80	92
Mariners	70	82
A's	69	81

We're done!