

CS-234

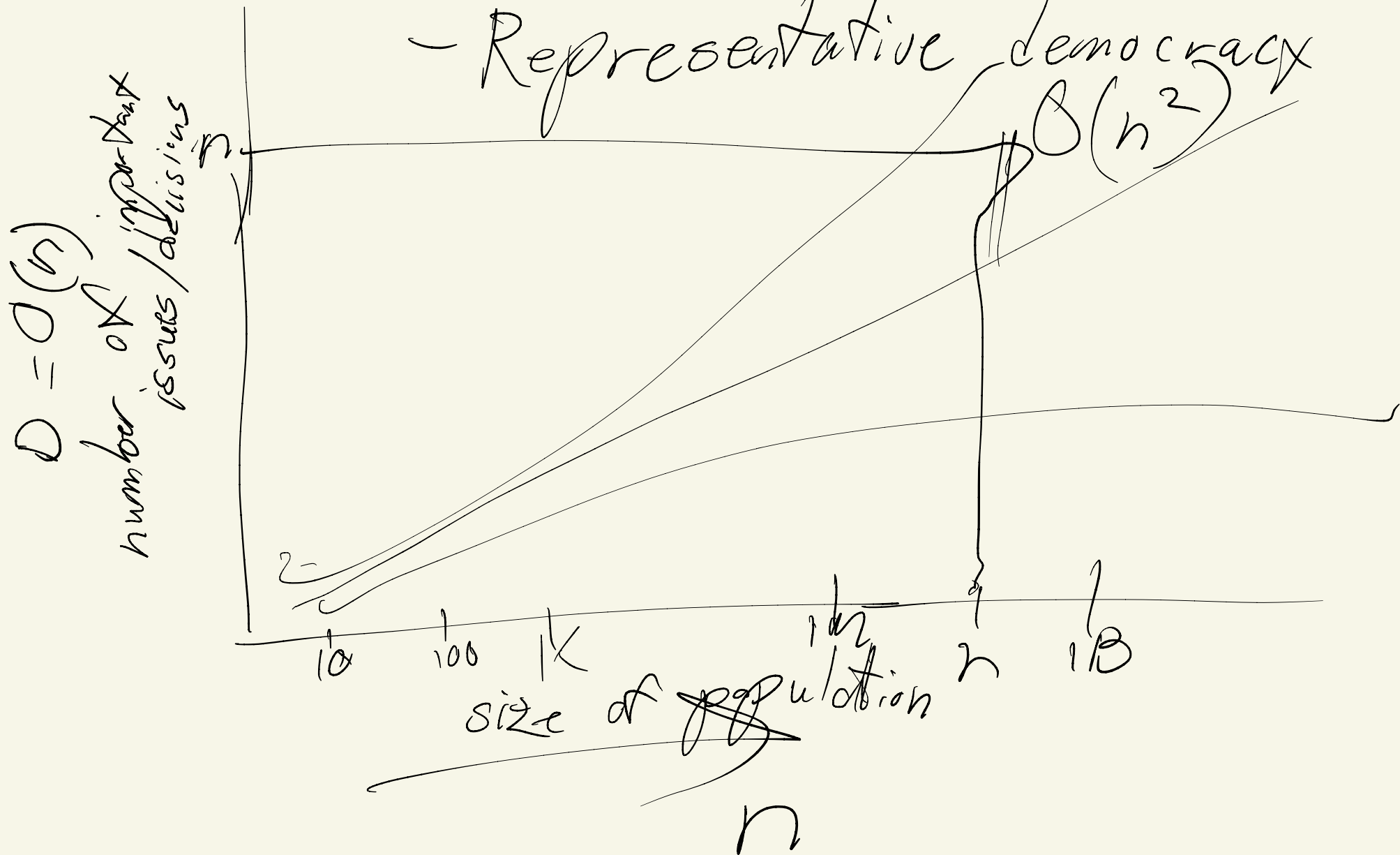
Technologies for
Democratic society

Fall 2021

Week 7

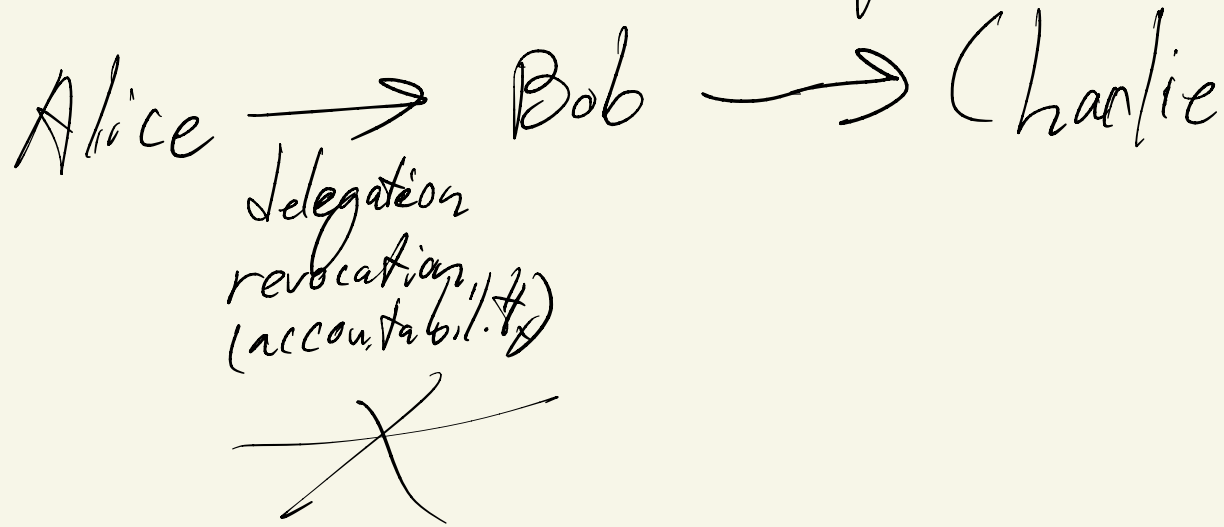
Liquid Democracy - why?

- Balance:
- Direct Democracy $O(n^2)$
 - Representative democracy $O(n^2)$



Liquid Democracy: the idea

- More flexibility in participation via delegation
- more individual choice between direct & representative participation



Issues / Challenges

- Worst-case scalability challenges
- Super-voters: large concentration of voting power
"accidental dictators"
- Transitive delegation? good or not?
- Delegation cycles - "reluctance" parameter
complex iterative calculation
how to choose value
- Complex revocation
- Granularity, thresholds
- privacy vs transparency