

CO 330, LECTURE 6 SUMMARY

FALL 2017

SUMMARY

We first talked briefly about mutually inverse bijections (typically the easiest way to prove bijections in enumerative combinatorics). Then we worked in groups on the bijections between the classes discussed last time (binary rooted trees, ordered rooted trees, and Dyck paths).

Along the way we corrected a typo in yesterday's notes.

REFERENCES

Mutually inverse bijections are in exercise 3 of chapter 1 of the course notes. You should also have seen them in 239/249 (if your instructor didn't cover them check out the 239 course notes).

The bijections you worked on in groups today basically complete chapter 6 of the course notes. Observe that the bijections the notes give are not always the same as the ones you found, so it's worth thinking about it both ways.