

Spring 2024, Math 579: Preliminary Problem Set 7  
 Due: Thursday, March 7th, 2024  
 Catalan Numbers

**Preliminary problems.** These problems should be completed before discussion on Thursday.

(P1) A *lattice path* is a path consisting only of unit moves up and right. Draw all 6 lattice paths from  $(0,0)$  to  $(2,2)$ ; one is already drawn for you.

