

**Fall 2019, Math 579: Preliminary Problem Set 4**  
**Due: Thursday, September 19th, 2019**  
**Partitions**

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

(P1) Find all 15 set partitions of the set  $[4]$ .

(P2) Find all 15 integer partitions of  $n = 7$ .