

Spring 2023, Math 579: Preliminary Problem Set 5
Due: Thursday, February 23rd, 2023
Integer Partitions

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

(P1) Complete the list of all 16 strong compositions of $n = 5$ below.

(4, 1)

(3, 2)

(2, 3)

(P2) Complete the list of all 15 integer partitions of $n = 7$ below.

$$\begin{aligned} 7 &= 1 + 1 + 1 + 1 + 1 + 1 + 1 \\ &= 2 + 1 + 1 + 1 + 1 + 1 \end{aligned}$$