

Homework 2

S320/520

Due at the beginning of class, Thursday 10th September

1. A ticket is to be drawn at random from a box containing eight tickets. Each ticket should have two numbers; however, three tickets have one blank space:

$(1, -)$, $(1, 2)$, $(1, 2)$, $(1, 3)$, $(3, 1)$, $(3, 2)$, $(3, -)$, $(3, -)$

What numbers should go in the first, second, and third blank spaces to make the first number of the ticket drawn and the second number of the ticket drawn independent?

2. Trosset exercise 3.7.8
3. Trosset exercise 3.7.14
4. Trosset exercise 4.5.1
5. Trosset exercise 4.5.2
6. (Compulsory for S520, extra credit for S320.) Trosset exercise 4.5.4