

3. Calculate the probability that he gets > 3 pens on each of the next 16 days. Hint: Let C_i be the event that he gets > 3 pens on the i^{th} day, and think about independence.

4. Calculate the conditional standard deviation of the total number of pens he gets in the next 16 days given that he gets > 3 pens on each of those days. Hint: Use something from part 2.