

14. In a lot of 50 light bulbs, there are 4 bad bulbs. From the 50 bulbs, an inspector randomly selects 5 without replacement.
- (a) Find the probability of at least one defective bulb among the five. (Be sure to justify using the method you choose).
  - (b) How many bulbs should be examined so that the probability of finding at least one defective bulb exceeds 0.5?