



4. Linda is taking a five-course load her first semester: English, math, French, psychology, and history. In how many different ways can she earn three A's and two B's?

5. Computer passwords are to consist of a string of six symbols taken from the digits  $0, 1, 2, \dots, 9$  and the lowercase letters  $a, b, c, \dots, z$ . How many computer passwords have a repeated symbol?

**Extra Credit Problem** (2 points) How many integers between 0 and 10,000 have only one digit equal to 5?