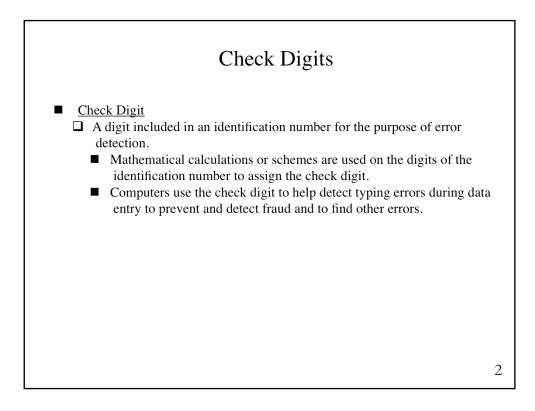
Chapter 16: Identification Numbers

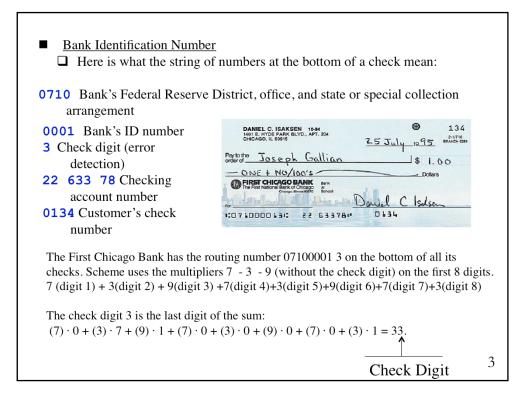


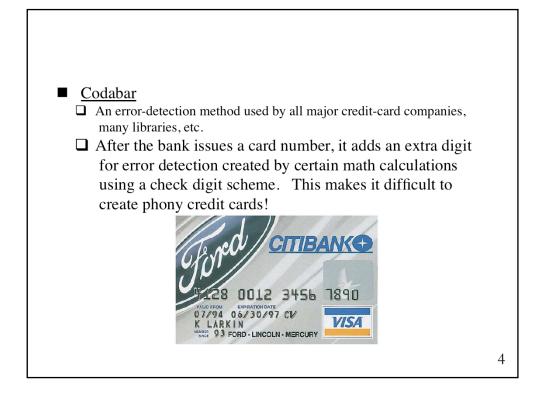
Section 16.1 Check Digits (Bank Checks and Codabar)

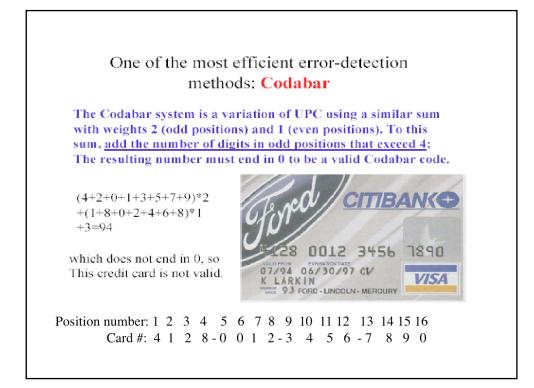
James Baglama Department of Mathematics University of Rhode Island











Example:

Determine the check digit that should be appended to the Codabar number 3125-8001-6535-003#.

Example:
Determine the check digit that should be appended to the
Codabar number 312580016535003.**Solution:**
Position number: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
Card #: 3 1 2 5 8 0 0 1 6 5 3 5 0 0 3 ?Odd Positions: 2*(3 + 2 + 8 + 0 + 6 + 3 + 0 + 3) = 50Even Positions: (1 + 5 + 0 + 1 + 5 + 5 + 0 + ?) = 17Add even and values to get 67. Now add in the number of values in
the odd positions that exceed four = 2. (67 + 2 = 69). The
calculated sum is 69. When 1 is added to 69, the result is 70, which
ends in zero. The check digit is then 1.

Try the example without reading the answer first.