

Homework assignment #1 problems 2.5, 2.6, 2.8 from The book p. 15  
and also the following two problems.

A How many  $(n, 2, n)_3$ -codes are there?

How many  $(n, 2, n)_q$ -codes are there?

B What is the smallest possible  $n$  for which an  $(n, 4, 3)_2$ -code exists?  
Find such a code of length  $n$ . To show that  $n$  is as small  
as possible you must show that no  $(m, 4, 3)_2$ -codes exist for all  
 $m < n$ .

## Assignment #2

Problems from textbook 3.2, 3.6, 3.11, 3.16(i), 3.20, 3.23 cdef