

Exer 3.12

[C/C110]

A standard deviation contest. For (a) and (b) below, you can choose numbers from the set 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9. Repeats are allowed.

(a) Which list of 4 numbers has the largest standard deviation such a list can possibly have?

A 0,3,6,9

B 0,0,0,9

C 0,0,9,9

D 0,9,9,9

Exer 3.12-1

(b) Which list of 4 numbers has the smallest standard deviation such a list can possibly have?

A 0,3,6,9

B 0,1,2,3

C 5,5,6,6

D 9,9,9,9

Exer 3.12-2