

UFPE – CENTRO DE INFORMÁTICA
ESTRUTURAS DE DADOS ORIENTADAS A OBJETOS
ATIVIDADE PRÁTICA

(Gustavo Carvalho – ghpc@cin.ufpe.br)

Exercícios selecionados de: KIRCH-PRINZ, U., PRINZ, P.
A Complete Guide to Programming in C++.
1a Edição. Editora Jones & Bartlett Learning, 2001.

Exercise 1

Write a global function called `splice()` that “splices” two `int` arrays together by first allocating memory for a dynamic array with enough room for both `int` arrays, and then copying the elements from both arrays to the new array, as follows:

- first, the elements of the first array are inserted up to a given position,
- then the second array is inserted,
- then the remainder of the first array is appended.

Arguments: the two `int` arrays, their length, and the position at which they are to be spliced.

Return value: a pointer to the new array.

Exercise 2

Write a function `min()` that computes and returns the minimum of given positive numbers. The function expects a variable number of unsigned `int` values as arguments. The last argument must be the number 0.