Tecniche di Programmazione in Chimica Computazionale
AA 2021/2022

Esame 6/6/22

1) Read from a file an integer *n,* and a vector of *n* complex double-precision numbers;
2) If the real and the imaginary part of the element *i* of the vector are identical, sum the product of the two values into the variable *v1;* if the real or imaginary part of the element *i* of the vector is equal to zero, add unity to the variable *v2*;
3) If *v2* is larger than zero, create a vector *a,* when possible, by removing the last *v2* elements of the original vector. Elements of *a* are given by the real part of the original vector minus *v1*. If *v2* is equal to zero, create a vector *a* with elements, alternatively, given by the real and the imaginary part of each element of the original vector;
4) Write to file the vector *a*, when possible, with the format as you like.