MATH 5399-001 HOMEWORK DUE 25 APRIL

Before 5 pm on 25 April turn in your handwritten or (much preferred) before Midnight on 25 April send me your TEX'ed solutions to the following problems. Macaulay 2 code is due at Midnight.

(1) Exercise 6.1.4
(2) Exercise 6.1.5
(3) Write a Macaulay 2 function that takes as input the Stanley–Reisner ring of simplicial complex and returns the f-vector of the complex.