

Problem Set 2, due Friday, January 23

From page 83: 2, 3, 5.

From page 92: 3, 5.

Write a matlab program that outputs 1 if a given vector x is a basic feasible solution for the constraints

$$Ax = b,$$

$$x \geq 0,$$

and outputs 0 otherwise. The program should take A, b, and x as inputs; that is, the first line of your program will read: `function out=myfunctionname(A,b,x)`.