Problem :

Write a program in Python to solve the homogeneous system Ax=0 and write the general solution in parametric vector form.

Your program should accept as input the size of the matrix, i.e. the number of rows and the number of columns of A, and also the entries of A.

The input should ideally be read from a text file, but if you haven't learnt how to do this, you may hard-code your input, as long as you are able to explain to your TA how to change the input to your program.