```
import numpy as np
def incmatrix(genl1,genl2):
   m = len(genl1)
   n = len(gen12)
   M = None #to become the incidence matrix
   VT = np.zeros((n*m,1), int) #dummy variable
    #compute the bitwise xor matrix
   M1 = bitxormatrix(genl1)
   M2 = np.triu(bitxormatrix(genl2),1)
   for i in range(m-1):
        for j in range(i+1, m):
            [r,c] = np.where(M2 == M1[i,j])
            for k in range(len(r)):
                VT[(i)*n + r[k]] = 1;
                VT[(i)*n + c[k]] = 1;
                VT[(j)*n + r[k]] = 1;
                VT[(j)*n + c[k]] = 1;
                if M is None:
                    M = np.copy(VT)
                else:
                    M = np.concatenate((M, VT), 1)
                VT = np.zeros((n*m,1), int)
   return M
```

MintedEx4.png