הנה קוד:

```
import numpy as np
2
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)
10
      M2 = np.triu(bitxormatrix(genl2),1)
11
12
      for i in range(m-1):
13
          for j in range(i+1, m):
14
               [r,c] = np.where(M2 == M1[i,j])
15
               for k in range(len(r)):
16
                   VT[(i)*n + r[k]] = 1;
                   VT[(i)*n + c[k]] = 1;
18
19
                   VT[(j)*n + r[k]] = 1;
                   VT[(j)*n + c[k]] = 1;
20
21
                   if M is None:
22
                       M = np.copy(VT)
23
24
                       M = np.concatenate((M, VT), 1)
25
                   VT = np.zeros((n*m,1), int)
27
28
29
      return M
```