

```

1  M={"A":["B","D"],
2     "B":["A","F","G","H"],
3     "C":["E","F"],
4     "D":["A","E"],
5     "E":["C","D","F","H"],
6     "F":["B","C","E","H"],
7     "G":["B","H"],
8     "H":["B","E","F","G"]
9  }
10
11  taille = len(M)
12
13  def pos(Lettre):
14      Liste = ["A","B","C","D","E","F","G","H"]
15      return Liste.index(Lettre)
16
17
18  def CreeMatriceCarree(m):
19      M = []
20      for i in range(m):
21          L = []
22          for j in range(m):
23              L.append(0)
24          M.append(L)
25      return M
26
27
28  def AfficheMatriceCarre(Mat):
29      for Elt in Mat:
30          for i in range(len(Mat)):
31              print(Elt[i], end=" ")
32          print()
33
34
35
36  #AfficheMatriceCarre(CreeMatriceCarree(taille))
37
38
39  def Tomatrice(M):
40      Adj = CreeMatriceCarree(len(M))
41      for clef, valeur in M.items():
42          for Elt in valeur:
43              Adj[pos(clef)][pos(Elt)] = 1
44      return Adj
45
46
47  AfficheMatriceCarre(Tomatrice(M))

```