

```
1  aa={}
2  for i=0,10 do
3      aa[i]={}
4      for j=0,10 do
5          aa[i][j]={}
6          for k=0,10 do
7              aa[i][j][k]=0
8          end
9      end
10 end
11
12
13 function JS(n,m,k)
14     if aa[n][m][k]~=0 then return aa[n][m][k] end
15     if n==0 and m==0 then aa[n][m][k]=1; return 1 end
16     if n==0 and k==0 then aa[n][m][k]=1; return 1 end
17     if m==0 and k==0 then aa[n][m][k]=1; return 1 end
18     for i=0,n-1 do
19         if JS(i,m,k)==-1 then aa[n][m][k]=1; return 1 end
20     end
21     for i=0,m-1 do
22         if JS(n,i,k)==-1 then aa[n][m][k]=1; return 1 end
23     end
24     for i=0,k-1 do
25         if JS(n,m,i)==-1 then aa[n][m][k]=1; return 1 end
26     end
27     return -1
28 end
29
30
31
32 print(JS(3,4,5))
33
```