Algorithm: SocialFriends

Input: tab, N

Output: max

for i🡨1 to Ν

sum(i)🡨0

for i🡨1 to N

for j🡨1 to N

if tab(I,j) == 1

sum(j)🡨sum(j)+1

for i🡨1 to Ν

list(i)🡨0

for i🡨1 to Ν

if sum(i)==0 # no dislikes

list(i)🡨1 # invite

for k🡨1 to sum(MaxIndex(N, sum)) # from 1 to max(sum) dislikes

for i🡨1 to N

if sum(i) == sum(MinIndex(s, sum, list)) # people with the #minimum of dislikes

if list(i)==0 # not invited

list(i)🡨1 # add in order to check

if NOT(Check2(s, tab, list)) #check==false

list(i)🡨0 # delete

for i🡨1 to N

if list(i)==1

k🡨k+1

max🡨k