class Solution:

"""

@param strs: an array with strings include only 0 and 1

@param m: An integer

@param n: An integer

@return: find the maximum number of strings

"""

def findMaxForm(self, strs, m, n):

# write your code here

def get01(st):

mg,ng = 0,0

for ele in st:

if ele=='1':

mg+=1

elif ele=='0':

ng+=1

return ng,mg

dp = [[[0 for i in range(n+1)] for i in range(m+1)] for i in range(len(strs)+1)]

for i in range(1,len(strs)+1):

for j in range(m+1):

for k in range(n+1):

dp[i][j][k] = max(dp[i][j][k],dp[i-1][j][k])

curstr = strs[i-1]

mcur,ncur = get01(curstr)

if j>=mcur and k>=ncur:

dp[i][j][k] = max(dp[i][j][k],dp[i-1][j-mcur][k-ncur]+1)

#print dp

return dp[-1][-1][-1]