class Solution:

"""

@param n: An integer

@return: A boolean which equals to true if the first player will win

"""

def firstWillWin(self, n):

# write your code here

if n==0:

return False

if n==1 or n==2:

return True

dp = [True for i in range(n+1)]

dp[0] = False

for i in range(3,n+1):

if dp[i-1]==False or dp[i-2]==False:

dp[i] = True

else:

dp[i] = False

return dp[n]