L19 M-Coloring Problem Monday, May 22, 2023 9:38 PM Given an undirected graph and an integer M. The task is to determine if the graph can be colored with at most M colors such that no two ac ored with the same color. Here coloring of a graph means the assignment of colors to all vertices. Print 1 if it is possible to colour vertices and 0 otherwise. Example 1: Input: N = 4→ Busically 90 hos parallorn we Identify anot we calcused have around with TN court are Nort M = 3E = 5 (3) Edges[] = $\{(0,1),(1,2),(2,3),(3,0),(0,2)\}$ Output: 1 Explanation: It is possible to colour the given graph using 3 colours. Example 2: Input: N = 3M = 2 F = 3Edges[] = $\{(0,1),(1,2),(0,2)\}$ Output: 0 professory 280 # TAZ3 -> Number of me downy (0) Naw if we arranged Colour in this was then wan of the Adjavent are same and are aroth get colored **(3)** 1) > we can wal make are coloured Grath wing @ calast # Thought Revoces -> Now of I want do calary are complete wath without perceptate perceptor from a property find one All are possible was to Calasted My Graph -> 9f 9 tak about All possible way so best Appeared is Remarian -> I temp every calver on the every woll M=3 Hwe get a cone poersisse Requirered check anothers

f (now) }

if (node==n) }



