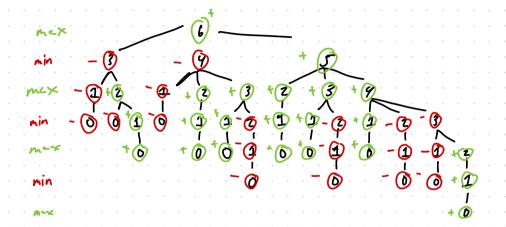
The game of NIM specific with a pile of a match offichs. There are two players who can choose 1,2, or 3 metales to remove from the pile. A player boss other they take the fest matchstick. starting with a pile of n=G Mext we explore on more light in the decision free where all can take 3,2,1 sticks Let's beep doing this recurring

The root and represents the moves for the 1st player. We will fry to next mixing the objective function to enable a win for this player. Conversely, we minimize winning nows for the second player.

So, if 'O' is in a mane" by on assign the gradest cost. If 'O' is on a "min" layer one assign bound cost



thre we can see that the 1st player will win if the is only one stick taken from the pile initially