

Will computer always win when it starts to pick first?

Answer : No, If Computer takes the first turn, Computer will not always win because if number of stick in the pile when game started is a number that equals to the number modulo by 3 plus 1 $((\text{number} \% 3) + 1)$ like 1,4,7,10, ... If player can pick sticks to set a number in pattern $(\text{number} \% 3) + 1$ player will win the game.