

The Game of Nim

The third game of Nim

When the gnomes discovered the way to win with 6 acorns, they began to play with 7 acorns... and discovered again the way to win. Soon, they played with a pile of 8 acorns, soon with 10, with 35, with 76, with..., and they always discovered if it was the first or the second player the one to win and how he had to play to get it, no matter how the other player did.

These games lasted for a long time, but, at that moment what it really amused them was to think and discover the way to win, no matter the number of acorns in the game. But, sometimes it was the first player who could win and some other



times the second one, and they also had to discover it.

I dare you to discover it by yourself!. When you think you already have it, you will have to demonstrate it to me and win the play. I will choose the number of objects which we will play with and you will decide who starts playing.

YOU WILL NEED:

A pile of objects