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- 1. Alice and Bob play the following game.
  - Initially, there are 20 numbers: 10 numbers 1 and 10 numbers 2.
  - On each step one of the players select two numbers; and if they were the same, replace them by 2; otherwise, replace them by 1.
  - Alice make the first move and they do moves one after another.

Who is the winner?

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2.	In the subtraction	game where	e players may	y subtract	1, 2 or	5 chips or	n their turn	, identify	the N	and F
	positions.									

Solution:	
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3. Is the Nim position (1,3,5) an N-position (explain your answer)?

Solution:

4.	Consider the Misére subtraction game where players may subtract 1, 5 or 6 chips on their turn,	identify
	the N and P positions.	

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