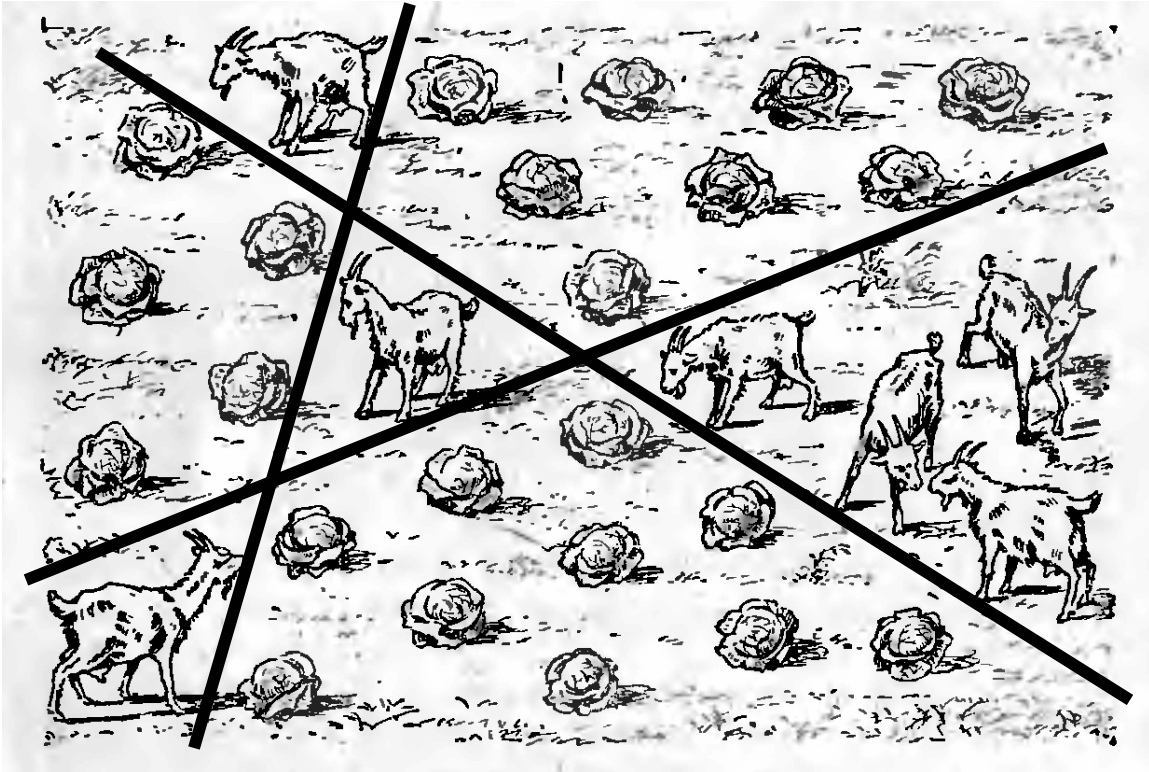


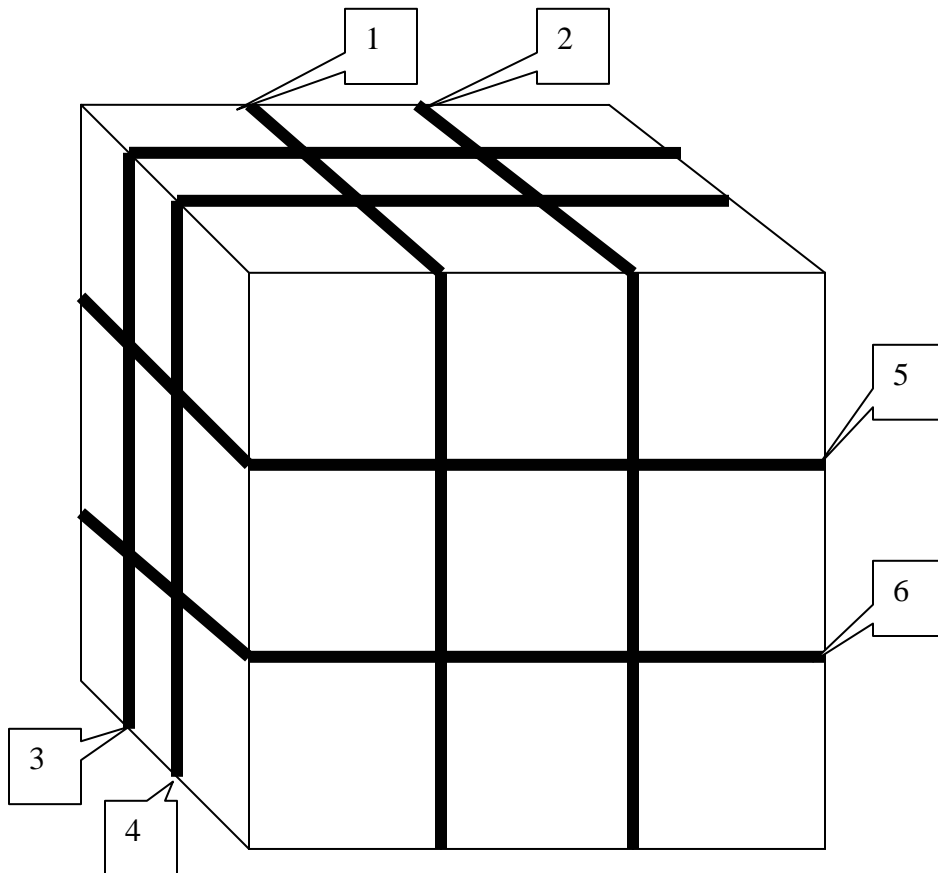
1) Separate goats from the cabbage by 3 straight lines.



2) A book costs 1 dollar plus the half-price of the book.  
How much is the book?

Solution: This problem is reformulation of the apple problem (see Class 5, October 31). The total price of the book is the sum of two half-prices. We also know that if we subtract half-price from the total price, we get 1 dollar. Hence, the remaining half-price is 1 dollar, and the book costs 2 dollars.

3\*) How many cuts we need to divide a cube of side 3 feet into cubes of side 1 foot?



We need 6 cuts.

4) The answer to the Thanksgiving problem (from Homework 8, due December 5) is

**TURKEY**  
**(20 21 18 11 5 25)**