

## Algorithmic Game Theory

Summer Term 2024

Tutorial Session - Week 7

*You are supposed to work on these tasks in class together with your fellow students.  
Please find groups of 2 or 3 students!*

### Exercise 1:

Have a look at the single-minded combinatorial auction with three bidders (red, blue, green) and items  $a, b, c$  which is depicted below. State all values of  $x \in \mathbb{R}_{\geq 0}$  such that there exists a Walrasian equilibrium and prove your claim.

