**UBİ 553 Game Theory**

**HOMEWORK I**

**Due date: Nov. 3rd, 2020**

**Note:** This is a simple/short homework to get you warm to the Game Theory.

1. Two people go to a fish restaurant for dinner. They have two choices to order:

* Expensive fish: value = 30, price = 35
* Inexpensive fish: value = 23, price = 20

Total bill is shared equally. Assuming that each person has the same objective, to maximize

( his/her value – his/her payment).

Create the strategic form table of this three player game.

1. Solve the first problem given above for three people.