

Linear programming with ortools – testing the code

Exercise 5

```
>>> LpProblemSolver()
number of constraints5
Constraint for x -1
Constraint for y 1
>= ?1
comparison number ?2
Constraint for x 1
Constraint for y 2
>= ?1
comparison number ?8
Constraint for x 1
Constraint for y 0
>= ?1
comparison number ?6
Constraint for x 1
Constraint for y 0
>= ?0
comparison number ?0
Constraint for x 0
Constraint for y 1
>= ?0
comparison number ?0
a1
b2
maximise ?0
Objective value = 8.0
x = 1.3333333333333333
y = 3.3333333333333335
```

Exercise 6

```

>>> LpProblemSolver()
number of constraints5
Constraint for x 0
Constraint for y 1
>= ?1
comparison number ?5
Constraint for x 1
Constraint for y 1
>= ?1
comparison number ?10
Constraint for x -1
Constraint for y 1
>= ?0
comparison number ?-2
Constraint for x 1
Constraint for y 0
>= ?0
comparison number ?0
Constraint for x 0
Constraint for y 1
>= ?0
comparison number ?0
a3
b1
maximise ?0
Objective value = 22.0
x = 6.0
y = 4.0

```

Exercise 7:

```
>>> LpProblemSolver()
number of constraints4
Constraint for x -1
Constraint for y 1
>= ?0
comparison number ?4
Constraint for x -1
Constraint for y 2
>= ?1
comparison number ?-4
Constraint for x 1
Constraint for y 0
>= ?0
comparison number ?0
Constraint for x 0
Constraint for y 1
>= ?0
comparison number ?0
a3
b1
maximise ?0
error problem doesnt have optimal solution
```