

System of linear equations

Solve the following optimization problem

$$\min_{x_i} \sum_i c_i x_i$$

$$\sum_i a_{mi} x_i \geq b_m$$

$$\min_{x_i} \mathbf{C} \begin{bmatrix} 7 & 12 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix}$$

$$\begin{bmatrix} 3 & 4 \\ 2 & 5 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix} \geq \begin{bmatrix} 4 \\ 2 \end{bmatrix}$$

A

B

System of linear equations

Solve the following optimization problem

$$\min_{x_i} \sum_i c_i x_i$$

$$\sum_i a_{mi} x_i \geq b_m$$

C

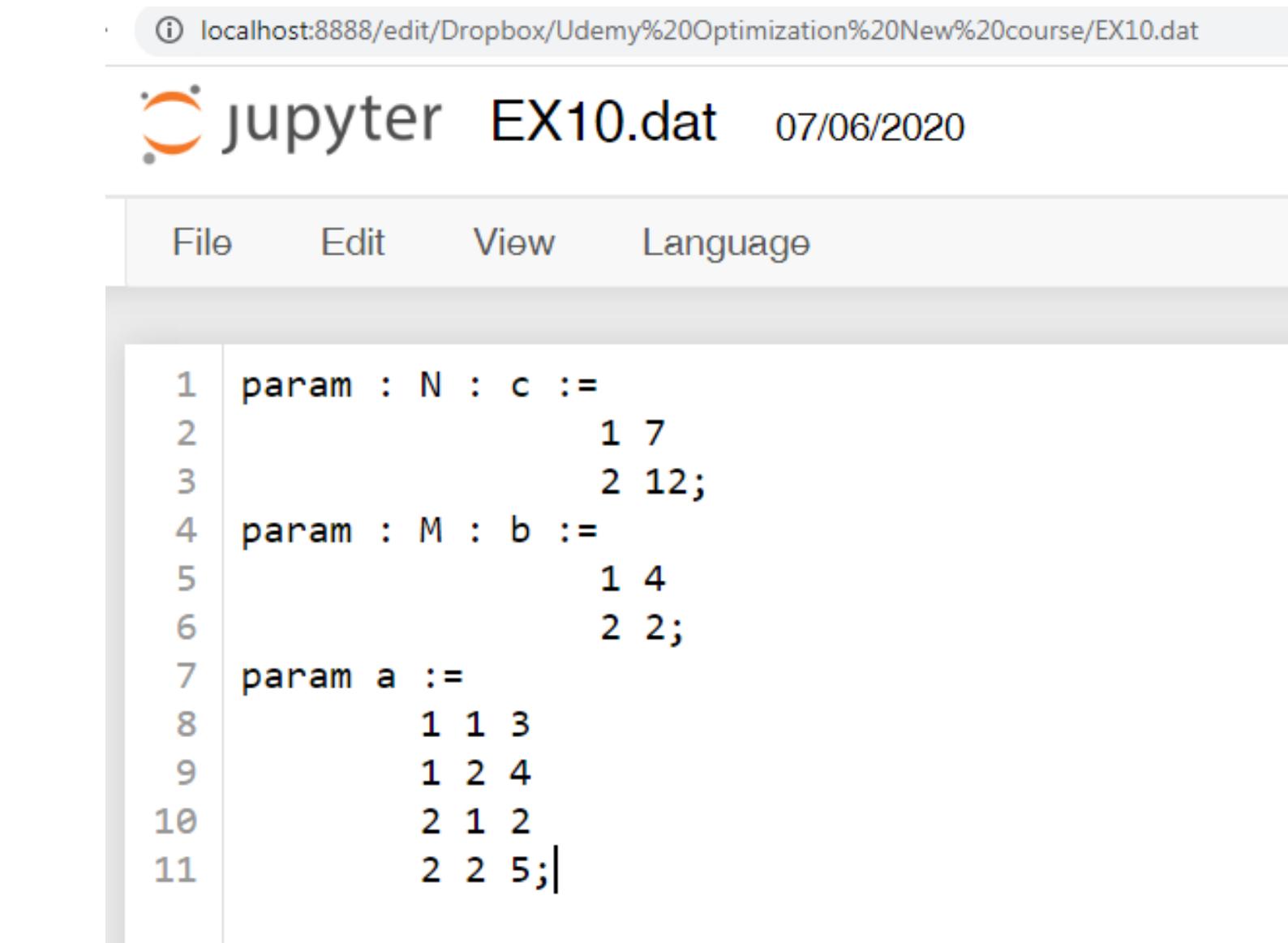
$$\min_{x_i} [7 \ 12] \begin{bmatrix} x_1 \\ x_2 \end{bmatrix}$$

$$\begin{bmatrix} 3 & 4 \\ 2 & 5 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix} \geq \begin{bmatrix} 4 \\ 2 \end{bmatrix}$$

Ex10

A

B



```
① localhost:8888/edit/Dropbox/Udemy%20Optimization%20New%20course/EX10.dat
jupyter EX10.dat 07/06/2020
File Edit View Language
1 param : N : c :=
2           1 7
3           2 12;
4 param : M : b :=
5           1 4
6           2 2;
7 param a :=
8           1 1 3
9           1 2 4
10          2 1 2
11          2 2 5;|
```