#1 Coefficients from objective functions. Separate them by comma

#2 Specify whether you want to maximize or minimize objective function. If you want to maximize then type ‘Max’. If you want to minimize type ‘Min’

#3 Left side of constraints and their coefficients. If you want to add constraint do it by using following formula *Wa=np.array([])* where ‘a’ denotes number of constraint. In square bracket you should add left side constraint coefficients. Every coefficient should be separated by comma. You can obviously add or remove constraints

#4 Amount of constraints. This number should be equal to sum of variables from #3

#5 Here you should specify left side constraints variable names from #3

#6 Right side constraints coefficients. Every right side coefficient should be separated by comma

#7 Direction of inequalities in constraints. Every direction should be separated by comma as well

#8 Maximal possible amount of iterations. It may be useful to prevent calculator from endless looping while trying to solve programs without optimal solution

#9 If you want full simplex table to appear then check ‘Yes’. In other case check ‘No’

Examples of usage

|  |  |
| --- | --- |
|  |  |
| #1  Fc = [30,20]  Fc = np.array(Fc)  #2  tar = 'Min'  #3  W1 = np.array([2,1])  W2 = np.array([3,3])  W3 = np.array([1.5,0])  #4  LWO = 3  #5  sr = np.row\_stack((W1, W2, W3))  #6  Ps = np.array([1000,2400,600])  #7  WN = ['<=', '<=','<=']  #8  mli=1000  #9  CTS='Yes' | #1  Fc = [1000,2400,600]  Fc = np.array(Fc)  #2  tar = 'Min'  #3  W1 = np.array([2,3,1.5])  W2 = np.array([1,3,0])  #4  LWO = 2  #5  sr = np.row\_stack((W1, W2))  #6  Ps = np.array([30,20])  #7  WN = ['>=', '>=']  #8  mli=1000  #9  CTS='Yes' |