jupyter parCase2024b Last Checkpoint: yesterday

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Code JupyterLab Python 3 (ipykernel)

```
First, install pulp, as follows:
    Find where jN accesses python.exe and other files:
        c:\Users\jseyd\anaconda3>   (at home)
        c:\Users\jseydel   (NGCoB 313)
        That is, search for and run "Anaconda Prompt"
    Then run the following:
        python -m pip install -U "pulp==2.1"
```

[2]:
```
# Import the PuLP library:
import pulp as p
```

[3]:
```
# Create an LP Maximization problem:
lpProb = p.LpProblem('parCase', p.LpMaximize)

# Specify the decision variables:
S = p.LpVariable("S", lowBound = 0)   # Create a variable S >= 0, i.e., # standard bags to produce
D = p.LpVariable("D", lowBound = 0)   # Create a variable D >= 0, i.e., # deluxe bags to produce

# Specify the objective function:
lpProb += 10 * S + 9 * D

# Specify the constraints:
lpProb += p.LpConstraint(.7*S + 1*D, sense=p.LpConstraintLE, rhs = 630, name='Cutting')
lpProb += p.LpConstraint(.5*S + .83*D, sense=p.LpConstraintLE, rhs = 600, name='Sewing')
lpProb += p.LpConstraint(1*S + .67*D, sense=p.LpConstraintLE, rhs = 708, name='Finishing')
```