linear_alg

June 7, 2020

[3]:
```
import numpy as np
from scipy import linalg
```

[7]:
```
# test contains 30 questions
# total 150 marks
# true false contains 4 marks
# multiple choice 9 marks
# let's say x is the number of true/false questions
# y is the number of multiple choice questions
# the equations will be

# x + y = 30
# 4x + 9y = 150

question_variables = np.array([[1,1],[4,9]])
question_value = np.array([30,150])
```

[8]:
```
# using solve method from lin alg to calculate values
linalg.solve(question_variables,question_value)
```

[8]:
```
array([24.,  6.])
```

[ ]:
```
# so value of x is 24
# value of y is 6
# therefor we can say that
# number of multiple choice questions is 6
# number of true or false question is 24
```