

In [1]: *## Simple Demonstration of P2B*

In [2]: `import matplotlib.pyplot as plt
plt.style.use('seaborn-whitegrid')
import numpy as np`

```

In [14]: '''
3 jobs -> A, B, C all arrive at t = 0
Assume time slice of 10 seconds
A needs to run for 25 seconds B needs to run for 15 secs C needs to run for 20 seconds
Tie breaker is lexicographically first
A B C
    A B C A
    A = Blue B = Red C = Green
'''

plt.figure(figsize=(10,7))
x = np.linspace(0, 10, 30)
y = np.sin(x)
A = [(10,1),(40, 0), (60,0)]
B = [(20,1),(45, 0)]
C = [(30,1),(55, 0)]

# Note the point represents where the timeslice ends
plt.scatter([10,20,30,40,45,55,60],[1,1,1,0,0,0,0],color = ['Blue','Red','Green'],
plt.xlim([0, 70])
plt.title("Scheduler graph: A = Blue, B = Red, C = Green")
#plt.plot(x, y, 'o', color='black');
plt.show();

```

