

Branch bound (problem 4)

Friday April 17th @ 1:30pm on Canvas despite the Olin Monday that day

Implementing Branch and Bound

Following Friday April 3's lecture on the branch and bound method to solving integer programming, you'll be implementing this method. You've been provided with **`bab_starter.py`** which has starter code as well as **`bab_test.py`** which will be running the tests on your code.

The only function you should need to edit is **`bbsolve`**. We're using the PICOS library to solve the relaxed linear program.

Turn in a link to the github repo in your homework.

Warning about copying

Whenever you'd like to save a value from an instance of a PICOS problem, you'll need to convert it away from a PICOS variable. Unfortunately we haven't figured out how to make the PICOS variables not reference to the same location when you clone the problem. So whenever you want to save a variable that might change later on (perhaps the best variable values from a good node..?), you'll need to cast it as something else to save it in a different location from the PICOS variable.