

Branch and Bound Instructions

Advanced Algorithms Spring 2023

Implementing Branch and Bound

You will be implementing the branch and bound method for solving integer programming. 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 along with a screenshot of your **`bbsolve`** function.

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