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Saturday, April 11, 2020

Okay guys most of you are doing well, at least trying the assignments.

I graded five assignments for you last week; P0405 (associates), H0406, H0407, H0408, and Q0409. The quiz counts as a quiz, the other assignments count as an extra bonus 0.5 point toward your quiz score. Please keep doing the homework on a daily basis, and you will rock the AP exam! I have faith in you!

Last week we practiced some AP problems. This week I want to go back to the Graph project, and make one method or class a day for you to work on.

Today I want EVERYONE who hasn't figured out how to do

```
public List<Vertex> associates(Vertex v)
```

to try to get it to work.

Post just the code for the associates method to the appropriate assignment in Google Classroom. Let me know if you can figure out how to cut and paste the code into the assignment, of if you have to create a file and upload it.

After you have done this, checkin with this link:

0413 AP Computer Science Checkin

Here is some code for adjacents:

```
public List<Vertex> adjacents(Vertex v)
{
    List<Vertex> L = new ArrayList<Vertex>();

    for (Edge e : E)
    {
        if (e.involves(v))
        {
            L.add(e.other(v));
        }
    }
    return L;
}
```

It is possible to write associates using recursion but it is not necessary. Here is some pseudocode for associates:

Test this with a fairly large graph with at least two components.

Please feel free to send me a message any time on Microsoft Teams.