EDIT: SOLVED

So my prim algorithm matches the output of the example on the assignment page except for 10(8)6.
Vertex 10 is not updating from 10(0)9 because 10 is getting removed from the priority queue thus the check
if(inPQ(v) && adj_matrix_weight(am,u,v) < v->key) is false and the if-body is skipped because
inPQ is evaluating as false.

I cant figure out why vertex 10 is being removed prematurely from the Priority Queue, I have
tested it to make sure this was the issue.

By the way, I am following the text book pseudocode, with one extra line of code that sets a flag
that a vertex in the vertex array is no longer in the priority queue.

If anyone encountered anything similar or maybe have some better insight to Prim's Algorithm that
would be fantastic.

---

Subject: Re: Prim Algorithm bug
Posted by lusth on Mon, 28 Nov 2016 15:53:40 GMT
View Forum Message <> Reply to Message

So how is it that you can edit your original post and Mr. Stephens cannot?

---

Subject: Re: Prim Algorithm bug
Posted by jgmurphy1 on Mon, 28 Nov 2016 19:16:07 GMT
View Forum Message <> Reply to Message

I'm not sure, when on the forums with my laptop there is a edit post button available to me. I'm on
my phone right now and it is not there. Perhaps he was trying to do it on his mobile

---

Subject: Re: Prim Algorithm bug
Posted by jgmurphy1 on Mon, 28 Nov 2016 19:17:11 GMT
View Forum Message <> Reply to Message

Actually I have an edit option on my phone for that last post, perhaps after a certain period of time
you can't edit a post any longer
And now the edit is on the post before this, I believe you can only edit your latest post on the forum (maybe also topic), and it may depend if someone else posted after you.

Testing that theory ^

That's what it is. You can only edit your latest message. Good call.

How'd you solve the issue?

I was not decreasing the key after updating the parent and key Value.