HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)
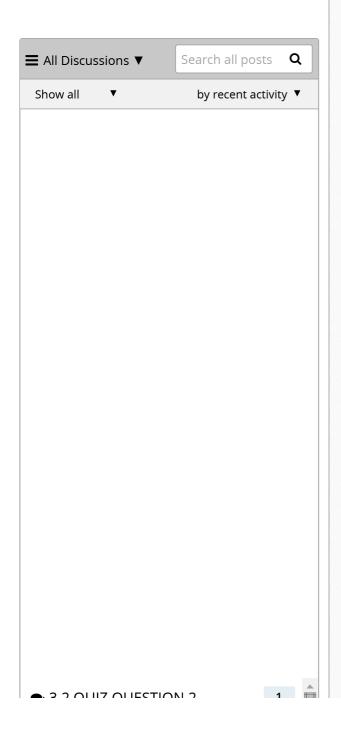
how do you display the routing table? (RT)

0 Votes

discussion posted about 17 hours ago by **KarenWest**

I've just started lab 2, and wanted to peek at the routing table. How do you display it? When I tried:

```
    disp(RT(pcount));
```

It said "6x2 double".

When I tried adding a column, I got syntax errors, such as:

```
 disp(RT(pcount,1));
 disp(RT(pcount, 2));

Incorrect syntax!  I did that when I saw the first error message,
"6x2 double matrix".
```

Thanks!

Related to: Topic 4: Routing / 4.5a Lab 2: Network Layer

This post is visible to everyone.

3 responses

↩ **Add a Response**

KarenWest   0 Votes +

about 16 hours ago   ⋯

I tried this and it gave:

```
        % load the routing table
        load RT.mat
        whos('-file','RT.mat')
```

gave output: (still not enough detail)

```
        Name     Size      Bytes    Class
Attributes

        RT          6x1       1248       cell

        costs       6x1       832        cell

        neighbors  6x1       832        cell
```

Add a comment

KarenWest   0 Votes +
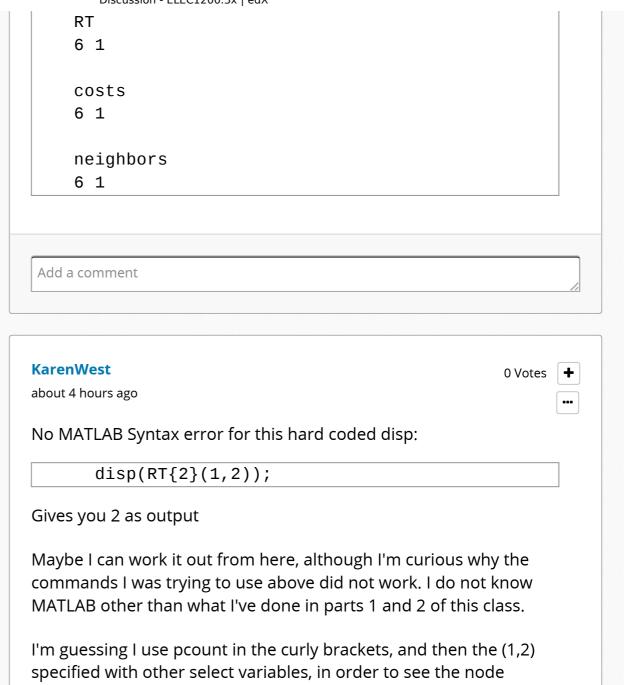
about 4 hours ago

I was a bit shocked to wake this morning to find that no one had responded to my question! Wow. Can anyone help with my MATLAB syntax question, so that I can proceed to answer the conceptual question about routing and forwarding in Lab 2? I appreciate any help, given I've done quite a bit of web searching and trials of this on my end.

```
load RT.mat
S = whos('-file','RT.mat');
for k = 1:length(S)
      disp(S(k));
end
for k = 1:length(S)
       disp(S(k).name);
       disp(S(k).size);
end
```
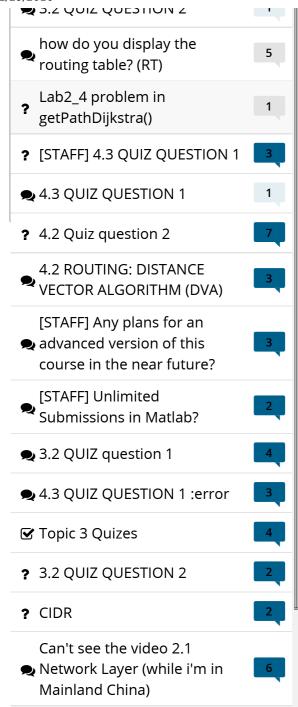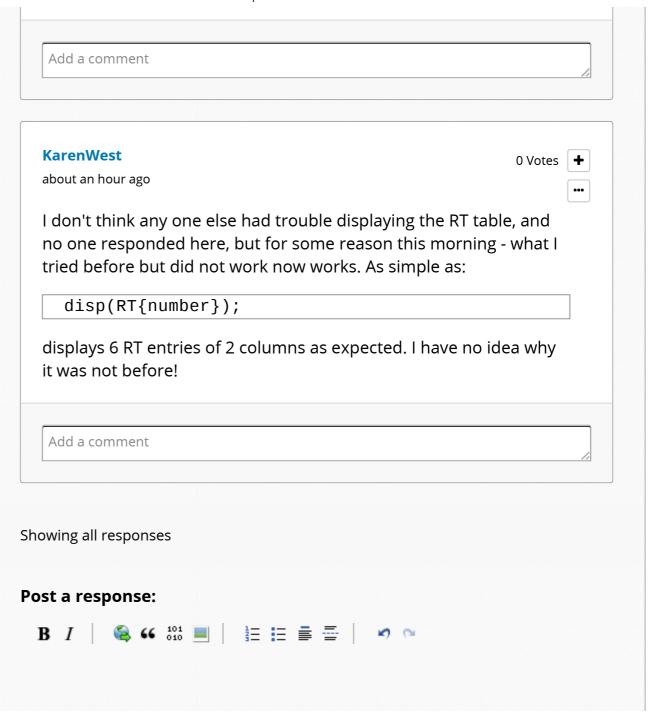
Output:

```
name: 'RT'
size: [6 1]
bytes: 1248
class: 'cell'
global: 0
sparse: 0
complex: 0
nesting: [1x1 struct]
persistent: 0

name: 'costs'
size: [6 1]
bytes: 832
class: 'cell'
global: 0
sparse: 0
complex: 0
nesting: [1x1 struct]
persistent: 0

name: 'neighbors'
size: [6 1]
bytes: 832
class: 'cell'
global: 0
sparse: 0
complex: 0
nesting: [1x1 struct]
persistent: 0
```

```
RT
6 1

costs
6 1

neighbors
6 1
```

Search all posts 🔍

Show all ▼   by recent activity ▼

Add a comment

KarenWest   0 Votes   **+**

about 4 hours ago   **...**

No MATLAB Syntax error for this hard coded disp:

```
    disp(RT{2}(1,2));
```

Gives you 2 as output

Maybe I can work it out from here, although I'm curious why the commands I was trying to use above did not work. I do not know MATLAB other than what I've done in parts 1 and 2 of this class.

I'm guessing I use pcount in the curly brackets, and then the (1,2) specified with other select variables, in order to see the node routed to.

3.2 QUIZ QUESTION 2   1

Add a comment

KarenWest　　　　　　　　　　　　　　　0 Votes ➕

about an hour ago　　　　　　　　　　　　　　　⋯

I don't think any one else had trouble displaying the RT table, and no one responded here, but for some reason this morning - what I tried before but did not work now works. As simple as:

```
disp(RT{number});
```

displays 6 RT entries of 2 columns as expected. I have no idea why it was not before!

Add a comment

Showing all responses

Post a response:

B　*I*　|　🌐　❝　101 010　▦　|　≝　≔　≣　≣　|　↶　↷

💬 Lab grading   **3**

💬 What about the other multiple
   access schemes   **2**

PREVIEW

Submit

POWERED BY
OPENedX