



Lab 1 Task 4 theoretical efficiency from lecture equation

0 Votes discussion posted about 10 hours ago by [KarenWest](#)

I have everything calculated correctly in Lab 1 Task 4 except for the theoretical efficiency from the lecture equation. Here is a code snip of only that section. Does anyone know what's wrong with my equation? Thanks.


```
p = p_list(pc);
if (p ~= 0) && (p ~= 1) && (n_coll(pc) >= 1)
    exponentValue = n_coll(pc) - 1;
    exponentPart = (1 - p)^exponentValue;
    expeff_v(pc) = n_coll(pc) * p * exponentPart;
elseif (p == 0)
    expeff_v(pc) = 1;
elseif (p == 1)
    expeff_v(pc) = 0;
end
```

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Elaktrona

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N in the above expressions for computing `expeff_v` should be **n_users**, not `n_coll(pc)`

B*I*

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PeterB001

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Hi Karen,

Have a look at slide #5 of "ELEC1200_3x_Wk1_T2_L4_Efficiency_of_Slotted_Aloha.pdf". You can implement this in one line of code if you use the [Element-wise](#)

- Lab 1 Task 1 and Lab 1 Task 4 Efficiency 2
- ? lab 1
- [STAFF]:PLEASE PROVIDE PPT'S INSTEAD OF PDF HANDOUT'S 1
- Lab 1 Task 4 theoretical efficiency from lecture equation 4
★ FOLLOWING
- ? [STAFF] lab 1.4 typos 2
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- ERROR loading functions from 3x_library1 4

operator (".").

In that formula what is "N"? - "N" is a constant.

Good luck

Add a comment

KarenWest

0 Votes +

about an hour ago



Thank you both for your responses and I will investigate my mistakes and your comments later today and post back here. I'm on snow clean up duty this morning! Easton (south of Boston,MA) only got about 8 inches, so nothing to clean up compared to NY City, Philadelphia and the Washington DC area. So I'll be back later! Thanks for your help.

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Part 1 and Part 2 of this course

2

[STAFF] lab 1.3 results label wrong

4

? Lab1 Task 4 cannot done offline

5

? postponing the course

2

[STAFF] Lab 1 Task 3 cannot be done offline

8

? Starting

2

Lab 1.3 Error: pre_ok for the frame [1 0 1 0 ...] is incorrect

3

? Browser not displaying "new lab interface"

4

? Error using nchoosek for 1.3 QUIZ QUESTION 2

3

Lab 1 Task 3 Code Error in the

? code we are not supposed to

3

B *I*   101 010       

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