

HKUSTx: ELEC1200.3x A System View of Communications: From Signals to Packets (Part 3)

Lab 1 Task 4 theoretical efficiency from lecture equation

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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.

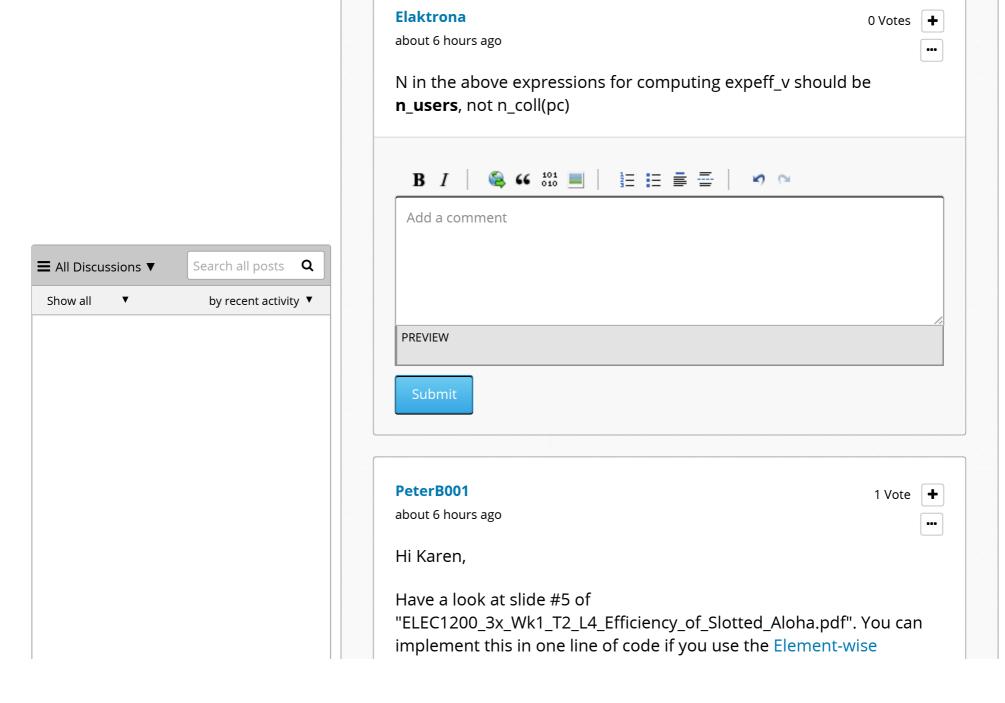
```
p = p_list(pc);
if (p \sim 0) \& (p \sim 1) \& (n_{coll}(pc) > 1)
     exponentValue = n_{coll}(pc) - 1;
     exponentPart = (1 - p)^exponentValue;
     expeff_v(pc) = n_coll(pc) * p * exponentPart;
elseif (p == 0)
     expeff_v(pc) = 1;
elseif (p == 1)
     expeff_v(pc) = 0;
end
```

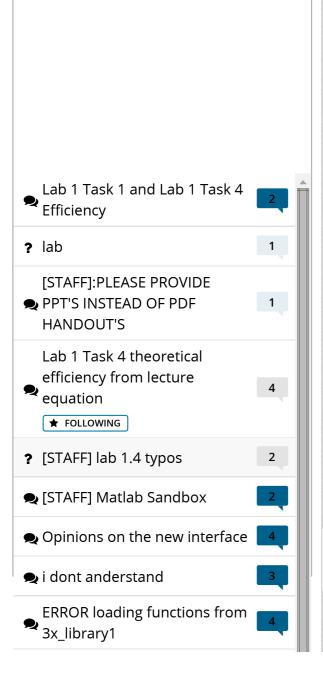
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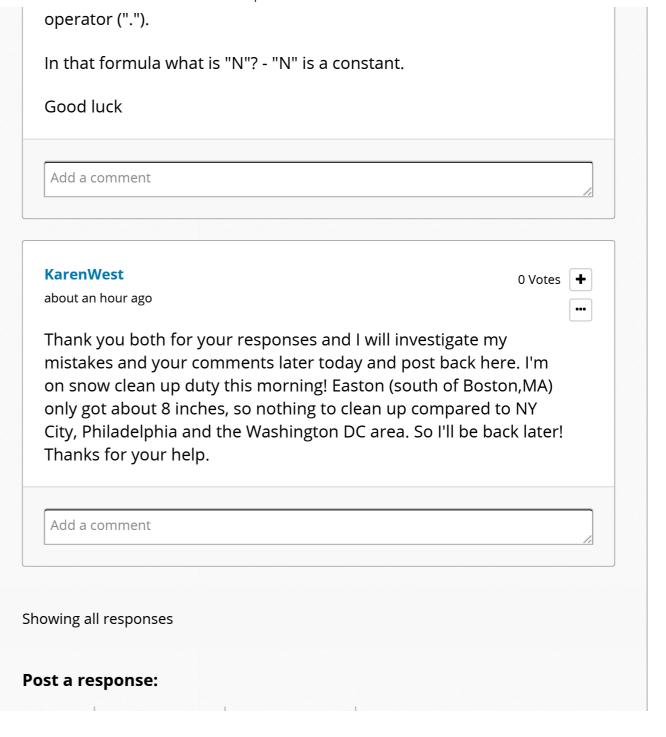
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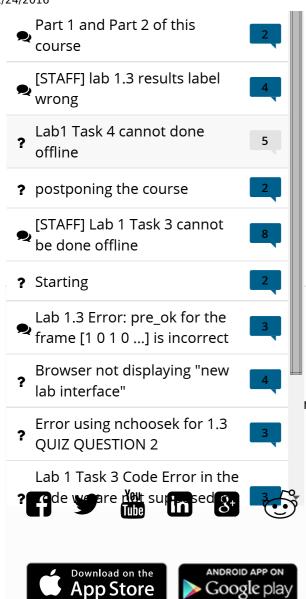
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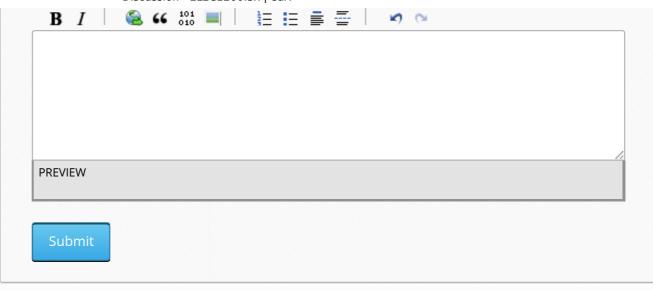
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