



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

.../2.4 Efficiency of

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## Lab 1 Task 4 theoretical efficiency from lecture equation

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discussion posted about an hour 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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