Specialist English: Assignment 2

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Problem 1

- The mathematical expression should be end with a full stop.

Problem 2

- It is unclear: we can replace $''0 \leq v_1, v_2 \leq 1''$ with $''v_1, v_2 \in \{1, 2, \cdots, n\}''$.
- The replaced expression $(v_1, v_2 \in \{1, 2, \cdots, n\})$ still need a full stop.

Problem 3

- It is not very suitable to use notation like $''0\_i''$ as a subscript. we can just use P_i instead of P_{0_i}.
- It is unclear to use $''1 <= i <= N''$, we can use $''1 \leq i \leq N''$ instead.

Problem 4

- Sorry, I can't figure it out.

Problem 5

- We should replace $''\forall e_i, e_j :''$ with words ″for all e_i, e_j,″.
- There's better separation between mathematical expressions if we write ″for all e_i, e_j,″ then $''e_i <_\rho e_j''$.

Problem 6

- The displayed equation should not be numbered since that number is never used in the paper.

- We should replace $''a * b''$ with $''a \times b''$.
- We should replace ''Average timeout number'' with ''Number of average timeouts '', and replace ''Thread number'' with ''Number of threads ''.
- We can define n as N, and r as N_r

My answer:
We calculate the availability of the protected system as:

$$\mathcal{A} = 1 - \frac{N_t}{N_r \times N},$$

where $N_t =$ Number of average timeouts, $N_r =$ Number of requests per thread, and $N =$ Number of threads.