CSE321: Operating Systems Makeup Quiz

| Name: | ID: | Section | ion: | |
|---|---|---------------------|------|--|
| Show Peterson's solution for the given scenario. There are two processes: P₁ and P₂. Each Statement takes 4 ms to execute. Context Switch will occur after 16 ms. Critical section contains 5 statements. The Remaining section contains 3 statements. For P₁: i=1 and j=0 For P₂: i=0 and j=1 turn=0 flag[0] = FALSE, flag[1] = TRUE P_2 starts the execution first. | | | | |
| The structure of process P _i in Peterson's solution. | | | | |
| do { | <pre>do{ flag[i] = true; turn = j; while(flag[j] == true && turn == j){</pre> | | | |
| <pre>}while(true);</pre> | | | | |
| Complete the table given below for processes P ₁ and P ₂ using Peterson's solution. | | | | |
| | Process 1: i=1, j=0 | Process 2: i=0, j=1 | | |
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