Summer 2025 Operating Systems

CSSE 332 -- OPERATING SYSTEMS

Signals

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Question 2. Assume that in our system, we have three processes P_1 , P_2 , and P_3 . At one point in time, both P_2 and P_3 send the *stop* signal to P_1 .

- (a) (5 points) Assume that P_2 sends P_1 the signal **before** P_3 sends its signal. In this case, it is guaranteed that P_2 's signal will be delivered before P_3 's signal.
 - A. True.
 - B. False.
- (b) (5 points) Assume now that P_1 received P_2 's signal but has not processed (or handled) it yet. Which of the following statements is true when P_3 's signal is received?
 - A. P_3 's signal will be queued until P_2 's signal is handled by the receiving process.
 - B. P_3 's signal will be bundled with P_2 's signal since they are of the same type.
 - C. P_3 's signal will be discarded.

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