Northern Michigan University (Marquette Co, MI)
CS426-01-26F: Operating Systems
Practice Quiz 7: Thursday 29 October 2026 3:00 P.M. EDT
Time: 15 minutes

In a system with 7 processors, an all-to-all communication is initiated. Using the algorithm given in class, in order, what processors do process 3 exchange messages with?

Northern Michigan University (Marquette Co, MI)
CS426-01-26F: Operating Systems
Practice Quiz 7: Thursday 29 October 2026 3:00 P.M. EDT
Time: 15 minutes

0 + 3 = 3. 0 - 3 = 4

1 + 2 = 3. 1 - 2 = 6

2 + 1 = 3. 2 - 1 = 1

Row 3, so nil. It would have communicated with 7, if 7 existed.

4 + 6 = 3. 4 - 6 = 5

5 + 5 = 3. 5 - 5 - 0

6 + 4 = 3. 6 - 4 = 2