**Test Case 1**

**P1**

| 2 ADD “hello”  5 ADD “hi there” |
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**P2**

| 9 ADD “hello” |
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**Kernel**

| At time = 2, request to add “hello” from P1  At time = 2, sent status request to Disk  At time = 2, Disk status = 10 empty slots  At time = 5, send success to P1  At time = 5, request to add “hi there” from P1  At time = 5, sent status request to Disk  At time = 5, Disk status = 9 empty slots  At time = 8, send success to P1  At time = 9, request to add “hello” from P2  At time = 9, sent status request to Disk  At time = 9, Disk status = 8 empty slots  At time = 12, send success to P2 |
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