Problem 3: Combining Relations

1)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ra | Rb | Rc | Sa | Sb |
| 1 | 2 | 3 | 2 | 3 |
| 1 | 2 | 3 | 3 | 4 |
| 1 | 2 | 3 | 7 | 6 |
| 3 | 4 | 3 | 3 | 3 |
| 3 | 4 | 3 | 3 | 4 |
| 3 | 4 | 3 | 7 | 6 |
| 7 | 6 | 5 | 2 | 3 |
| 7 | 6 | 5 | 3 | 4 |
| 7 | 6 | 5 | 7 | 6 |

2)

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 3 | 4 | 3 |
| 7 | 6 | 5 |

3)

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 1 | 2 | 3 |
| 3 | 4 | 3 |
| 7 | 6 | 5 |

4)

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 2 | 3 | \_ |
| 3 | 4 | 3 |
| 7 | 6 | 5 |

5)

|  |  |  |
| --- | --- | --- |
| A | B | C |
| 1 | 2 | 3 |
| 3 | 4 | 3 |
| 7 | 6 | 5 |
| 2 | 3 | \_ |