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| **Ops** | **Keys and Values** | **Example** | **Decision** |
| IK, IK | Same keys | Insert 1, Insert 1 | *Impossible* |
| Diff keys | Insert 1, Insert 2 | Commutative |
| IK, IV | Same key | Insert 1, Insert 1:1000 | **IK first** |
| Diff key | Insert 1, Insert 2:1000 | Commutative |
| IK, RK | Same keys | Insert 1, Remove 1 | **As per spec** |
| Diff keys | Insert 1, Remove 2 | Commutative |
| IK, RV | Same key | Insert 1, Remove 1:1000 | **Error** |
| Diff key | Insert 1, Remove 2:1000 | Commutative |

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| **Ops** | **Keys and Values** | **Example** | **Decision** |
| IV, IV | Same key, Same value | Insert 1:1000, Insert 1:1000 | *Impossible* |
| Same key, Diff value | Insert 1:1000, Insert 1:2000 | Commutative |
| Diff key, Same Value | Insert 1:1000, Insert 2:1000 | Commutative |
| Diff key, Diff value | Insert 1:1000, Insert 2:2000 | Commutative |
| IV, RK | Same keys | Insert 1:1000, Remove 1 | **Error** |
| Diff keys | Insert 1:1000, Remove 2 | Commutative |
| IV, RV | Same key, Same value | Insert 1:1000, Remove 1:1000 | **As per spec** |
| Same key, Diff value | Insert 1:1000, Remove 1:2000 | Commutative |
| Diff key, Same Value | Insert 1:1000, Remove 2:1000 | Commutative |
| Diff key, Diff value | Insert 1:1000, Remove 2:2000 | Commutative |

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| **Ops** | **Keys and Values** | **Example** | **Decision** |
| RK, RK | Same keys | Remove 1, Remove 1 | *Impossible* |
| Diff keys | Remove 1, Remove 2 | Commutative |
| RK, RV | Same keys | Remove 1, Remove 1:1000 | **RV first** |
| Diff keys | Remove 1, Remove 2:1000 | Commutative |

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| **Ops** | **Keys and Values** | **Example** | **Decision** |
| RV, RV | Same key, Same value | Remove 1:1000, Remove 1:1000 | *Impossible* |
| Same key, Diff value | Remove 1:1000, Remove 1:2000 | Commutative |
| Diff key, Same Value | Remove 1:1000, Remove 2:1000 | Commutative |
| Diff key, Diff value | Remove 1:1000, Remove 2:2000 | Commutative |