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3 IntSet objects (is1 is2 is3) have been created.
Enter choice: z read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1 has 0 items
   is2 has 0 items
   is3 has 0 items
Enter choice: m read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1 is empty
   is2 is empty
   is3 is empty
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 12 read.
is1 is subset of is2
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 31 read.
is3 has been unioned with is1
Enter choice: s read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is2 has been subtracted from is3
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: (empty)
   is2: (empty)
   is3: (empty)
Enter choice: r read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1 has been reset and is now empty
   is2 has been reset and is now empty
   is3 has been reset and is now empty
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 8 read.
8 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 1 read.
1 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 2 read.
2 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 5 read.
5 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 8 read.
8 not added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 0 read.
0 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
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Enter integer value 7 read.
7 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 4 read.
4 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value -1 read.
-1 added to is1
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 2 read.
2 not added to is1
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: (empty)
   is3: (empty)
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 4 read.
4 added to is2
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 9 read.
9 added to is2
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 3 read.
3 added to is2
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 5 read.
5 added to is2
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 2 read.
2 added to is2
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 6 read.
6 added to is2
Enter choice: a read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 4 read.
4 not added to is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: (empty)
Enter choice: z read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1 has 8 items
   is2 has 6 items
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   is3 has 0 items
Enter choice: c read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value -1 read.
-1 is in is1
Enter choice: c read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 1 read.
Enter integer value 6 read.
6 is not in is1
Enter choice: c read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 2 read.
Enter integer value 4 read.
4 is in is2
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 12 read.
is1 is not subset of is2
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 21 read.
is2 is not subset of is1
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 has been unioned with is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  9  3  5  2  6
Enter choice: k read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 3 read.
Enter integer value 3 read.
3 removed from is3
Enter choice: k read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 3 read.
Enter integer value 6 read.
6 removed from is3
Enter choice: k read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 3 read.
Enter integer value 9 read.
9 removed from is3
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  5  2
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 31 read.
is3 is subset of is1
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 is subset of is2
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 33 read.
is3 is subset of itself
Enter choice: e read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 12 read.
is1 is not equal to is2
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Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  5  2
Enter choice: i read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 has been intersected with is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  5  2
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 has been unioned with is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  5  2  9  3  6
Enter choice: e read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 is equal to is2
Enter choice: e read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 13 read.
is1 is not equal to is3
Enter choice: i read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 31 read.
is3 has been intersected with is1
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  5  2
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 has been unioned with is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 4  5  2  9  3  6
Enter choice: s read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 31 read.
is1 has been subtracted from is3
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  9  3  5  2  6
   is3: 9  3  6
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 32 read.
is3 is subset of is2
Enter choice: s read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 23 read.
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is3 has been subtracted from is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  5  2
   is3: 9  3  6
Enter choice: k read.
Enter object # (1 = is1, 2 = is2, 3 = is3) 3 read.
Enter integer value 6 read.
6 removed from is3
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  5  2
   is3: 9  3
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 31 read.
is3 has been unioned with is1
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 4  5  2
   is3: 9  3  8  1  2  5  0  7  4  -1
Enter choice: z read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1 has 8 items
   is2 has 3 items
   is3 has 10 items
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 13 read.
is1 is subset of is3
Enter choice: b read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 31 read.
is3 is not subset of is1
Enter choice: s read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 23 read.
is3 has been subtracted from is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: (empty)
   is3: 9  3  8  1  2  5  0  7  4  -1
Enter choice: z read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1 has 8 items
   is2 has 0 items
   is3 has 10 items
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 23 read.
is2 has been unioned with is3
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 9  3  8  1  2  5  0  7  4  -1
   is3: 9  3  8  1  2  5  0  7  4  -1
Enter choice: s read.
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Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 21 read.
is1 has been subtracted from is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1
   is2: 9  3
   is3: 9  3  8  1  2  5  0  7  4  -1
Enter choice: u read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 12 read.
is1 has been unioned with is2
Enter choice: d read.
Enter hybrid # (1 for is1, 23 for is2 and is3, 123 for is1, is2 and is3,...) 123 read.
   is1: 8  1  2  5  0  7  4  -1  9  3
   is2: 9  3
   is3: 9  3  8  1  2  5  0  7  4  -1
Enter choice: e read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 12 read.
is1 is not equal to is2
Enter choice: e read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 13 read.
is1 is equal to is3
Enter choice: e read.
Enter object_pair # (12 for is1.OP(is2), 32 for is3.OP(is2),...) 23 read.
is2 is not equal to is3
Enter choice: q read.
Quit option selected...bye
Press Enter or Return when ready...
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