Case1:

Set A is: { 3, 2, 1 }

Set B is: { 3, 1, 2 }

Set A contains element 1: true

Set A adds element 1: false

Set A removes element 1: true

Size of set A is: 2

Set A is a subset of set B: true

Set A is equal to set Bfalse

Set A in union with B is: { 2, 1, 3 }

Set A in intersection with B is: { 2, 3 }

Set A complement with B: { }

toString method of Set A: { 3, 2 }

Case2:

Set A is: { 1 }

Set B is: { 2, 1 }

Set A contains element 1: true

Set A adds element 1: false

Set A removes element 1: true

Size of set A is: 0

Set A is a subset of set B: true

Set A is equal to set Bfalse

Set A in union with B is: { 1, 2 }

Set A in intersection with B is: { }

Set A complement with B: { }

toString method of Set A: { }

Case3:

Set A is: { 3, 2, 1 }

Set B is: { 5, 4, 3, 2 }

Set A contains element 1: true

Set A adds element 1: false

Set A removes element 1: true

Size of set A is: 2

Set A is a subset of set B: true

Set A is equal to set Bfalse

Set A in union with B is: { 2, 3, 4, 5 }

Set A in intersection with B is: { 2, 3 }

Set A complement with B: { }

toString method of Set A: { 3, 2 }

Case4:

Set A is: { 1 }

Set B is: { 3, 2 }

Set A contains element 1: true

Set A adds element 1: false

Set A removes element 1: true

Size of set A is: 0

Set A is a subset of set B: true

Set A is equal to set Bfalse

Set A in union with B is: { 2, 3 }

Set A in intersection with B is: { }

Set A complement with B: { }

toString method of Set A: { }

Case5:

Set A is: { 1 }

Set B is: { }

Set A contains element 1: true

Set A adds element 1: false

Set A removes element 1: true

Size of set A is: 0

Set A is a subset of set B: true

Set A is equal to set Btrue

Set A in union with B is: { }

Set A in intersection with B is: { }

Set A complement with B: { }

toString method of Set A: { }