**val** a\_1\_1 = **new** NonEmpty(4, **new** Empty, **new** Empty)

//> a\_1\_1 : NonEmpty = {.4.}

**val** a\_1\_2 = a\_1\_1 incl 1 //> new NonEmpty(4, [.] incl 1, [.])

//| new NonEmpty(1, [.], [.])

//| a\_1\_2 : IntSet = {{.1.}4.}

**val** a\_1\_3 = a\_1\_2 incl 7 //> new NonEmpty(4, [{.1.}], [.] incl 7)

//| new NonEmpty(7, [.], [.])

//| a\_1\_3 : IntSet = {{.1.}4{.7.}}

**val** a\_2\_1 = **new** NonEmpty(3, **new** Empty, **new** Empty)

//> a\_2\_1 : NonEmpty = {.3.}

**val** a\_2\_2 = a\_2\_1 incl 2 //> new NonEmpty(3, [.] incl 2, [.])

//| new NonEmpty(2, [.], [.])

//| a\_2\_2 : IntSet = {{.2.}3.}

**val** a\_2\_3 = a\_2\_2 incl 5 //> new NonEmpty(3, [{.2.}], [.] incl 5)

//| new NonEmpty(5, [.], [.])

//| a\_2\_3 : IntSet = {{.2.}3{.5.}}

**val** t6 = a\_1\_3 union a\_2\_3 //> (([{.1.}] union [{.7.}]) union [{{.2.}3{.5.}}]) incl 4

//| (([.] union [.]) union [{.7.}]) incl 1

//| [.]

//| [{.7.}]

//| new NonEmpty(7, [.] incl 1, [.])

//| new NonEmpty(1, [.], [.])

//| (([{.1.}] union [.]) union [{{.2.}3{.5.}}]) incl 7

//| (([.] union [.]) union [.]) incl 1

//| [.]

//| [.]

//| new NonEmpty(1, [.], [.])

//| (([.] union [.]) union [{{.2.}3{.5.}}]) incl 1

//| [.]

//| [{{.2.}3{.5.}}]

//| new NonEmpty(3, [{.2.}] incl 1, [{.5.}])

//| new NonEmpty(2, [.] incl 1, [.])

//| new NonEmpty(1, [.], [.])

//| new NonEmpty(3, [{{.1.}2.}], [{.5.}] incl 7)

//| new NonEmpty(5, [.], [.] incl 7)

//| new NonEmpty(7, [.], [.])

//| new NonEmpty(3, [{{.1.}2.}], [{.5{.7.}}] incl 4)

//| new NonEmpty(5, [.] incl 4, [{.7.}])

//| new NonEmpty(4, [.], [.])

//| t6 : IntSet = {{{.1.}2.}3{{.4.}5{.7.}}}