code\sel_sort.ast

```
PROGRAM
        INT x[10]
        INT minloc()
                INT a[]
                INT low
                INT high
                { }
                        INT i
                        INT x
                        INT k
                        =
                                k
                                low
                        =
                                x
                                a[]
                                        low
                        =
                                i
                                +
                                        low
                                        1
                        while
                                <
                                        i
                                        high
                                { }
                                        if
                                                <
                                                        a[]
                                                                i
                                                        x
                                                { }
                                                        =
                                                                x
                                                                a[]
                                                                        i
                                                        =
                                                                k
                                                                i
                                        =
                                                i
                                                +
                                                        i
                                                        1
                        return
                                k
        VOID sort()
                INT a[]
                INT low
                INT high
                { }
                        INT i
                        INT k
                        =
                                i
                                low
                        while
                                <
                                        i
                                        -
```

```
                                        high
                                        1
                        { }
                        INT t
                        =
                                        k
                                        minloc()
                                                a
                                                i
                                                high
                        =
                                        t
                                        a[]
                                                k
                        =
                                        a[]
                                                k
                                        a[]
                                                i
                        =
                                        a[]
                                                i
                                        t
                        =
                                        i
                                        +
                                                i
                                                1
        VOID main()
                { }
                        INT i
                        =
                                i
                                0
                        while
                                <
                                i
                                10
                        { }
                                =
                                        x[]
                                                i
                                        input()
                                =
                                        i
                                        +
                                                i
                                                1
                        sort()
                                x
                                0
                                10
                        =
                                i
                                0
                        while
                                <
                                i
                                10
                        { }
                                output()
                                        x[]
                                                i
                                =
                                        i
```

+

i
1