

Indexing Vectors

x < "a", "b", "c", "d", "e")

x[1]

x[1]	

"a"

x[1]	"a"

x[1:3]

x[1]	"a"
x[1:3]	

"a"

"b"

"c"

x[1]	"a"
x[1:3]	"a" "b" "c"

x[c(1,2,3)]

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	

"a"

"b"

"c"

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"

x[-1]

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"
<code>x[-1]</code>	

"b"

"c"

"d"

"e"

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"
<code>x[-1]</code>	"b" "c" "d" "e"

x[c(5,1)]

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"
<code>x[-1]</code>	"b" "c" "d" "e"
<code>x[c(5,1)]</code>	

"e" "a"

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"
<code>x[-1]</code>	"b" "c" "d" "e"
<code>x[c(5,1)]</code>	"e" "a"

x [x < ' c ']

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"
<code>x[-1]</code>	"b" "c" "d" "e"
<code>x[c(5,1)]</code>	"e" "a"
<code>x[x < 'c']</code>	

"a" "b"

Indexing Vectors

```
x <- c("a", "b", "c", "d", "e")
```

<code>x[1]</code>	"a"
<code>x[1:3]</code>	"a" "b" "c"
<code>x[c(1,2,3)]</code>	"a" "b" "c"
<code>x[-1]</code>	"b" "c" "d" "e"
<code>x[c(5,1)]</code>	"e" "a"
<code>x[x < 'c']</code>	"a" "b"

Indexing Vectors

```
x <- c("a", "b", "c")
```

```
names(x) <- c("first", "second", "third")
```