

```
rep(c(1,2,3,4),time=4)
```

```
## [1] 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4
```

```
rep(c(1,2,3,4),each=4)
```

```
## [1] 1 1 1 1 2 2 2 2 3 3 3 3 4 4 4 4
```

```
rep(c(1,2,3,4),time=c(2,3,4,5))
```

```
## [1] 1 1 2 2 2 3 3 3 3 4 4 4 4 4
```

```
rep(1:4,length.out=9)
```

```
## [1] 1 2 3 4 1 2 3 4 1
```

```
seq(from=3.5,to=1.23,by=-2.05)
```

```
## [1] 3.50 1.45
```

```
seq(from=4.5,to=1.23,length.out=5)
```

```
## [1] 4.5000 3.6825 2.8650 2.0475 1.2300
```

```
x<-1:20  
any(x>15)
```

```
## [1] TRUE
```

```
all(x>15)
```

```
## [1] FALSE
```