

#Example of using IRanges to lengths and widths. Could be useful in using a 100 base-pair range from big sequence.

```
> # First example
+ (IRanges(start = 10, end = 37))
IRanges object with 1 range and 0 metadata columns:
  start end width
  <integer> <integer> <integer>
[1] 10 37 28
```

```
> # second example
+ (IRanges(start = c(5, 35, 50),
+           end = c(12, 39, 61),
+           names = LETTERS[1:3]))
IRanges object with 3 ranges and 0 metadata columns:
  start end width
  <integer> <integer> <integer>
A 5 12 8
B 35 39 5
C 50 61 12
```

```
> width(# second example
+ (IRanges(start = c(5, 35, 50),
+           end = c(12, 39, 61),
+           names = LETTERS[1:3])))
[1] 8 5 12
```

```
> lengths(# second example
+ (IRanges(start = c(5, 35, 50),
+           end = c(12, 39, 61),
+           names = LETTERS[1:3])))
A B C
8 5 12
```

```
> width((IRanges(start = c(5, 35, 50),
+                 end = c(12, 39, 61),
+                 names = LETTERS[1:3])))
[1] 8 5 12
> width((IRanges(start = 10, end = 37)))
[1] 28
```