```
x = 1:9
cut(x, breaks = 3)
Levels: (0.991,4]
                                  (4,7]
                                                      (7,10]
                      4
               3
                             5
                                    6
                                                         9
                                                                10
                                      (4,7
(0.991,4] (0.991,4] (0.991,4] (0.991,4]
                           (4,7]
                                (4,7]
                                                (7,10]
                                                        (7,10]
                                                               (7,10]
cut(x, breaks = 3, right = FALSE)
Levels: [0.991,4)
                           [4,7)
                                                   [7,10)
               3
                           5
                                  6
                                                 8 9
                                                               10
[0.991,4) [0.991,4) [0.991,4)
                     [4,7) [4,7) [4,7)
                                         [7,10)
                                                [7,10) [7,10)
                                                               [7,10)
cut(x, breaks = c(1, 4, 7, 10))
Levels: (1,4]
                                  (4,7]
                                                       (7,10]
      2 3 4
                           5
                                   6
                                                 8
                                                               10
           (1,4]
                   (1,4]
                                  (4,7]
                                       (4,7]
       (1,4]
                         (4,7]
                                                 (7,10]
                                                       (7,10]
                                                               (7,10]
 <NA>
cut(x, breaks = c(1, 4, 7, 10), include.lowest = TRUE)
Levels: [1,4]
                                  (4,7]
                                                      (7,10]
      2 3 4
                            5
                                  6
                                          7
                                                 8
                                                        9
                                                               10
                                   (4,7]
 [1,4]
       [1,4]
            [1,4]
                     [1,4]
                           (4,7]
                                       (4,7]
                                                 (7,10]
                                                       (7,10]
                                                               (7,10]
```