## **Recurring Steps (Line 49-51)**

```
// Shift window left
             for (int y2 = 0; y2 < K; y2++)
                for (int x2 = 0; x2 < K - 1; x2++)
                  window[y2][x2] = window[y2][x2 + 1];
                                               Input stream
x = 3
            0
                   2
                      3
                          4
                                3
                                    4
                                       5
                                                 5
                                                    6
                                                       7
                                                           8
                                                              6
                                                                  7
                                                                     8
                                                                           10
                                                                               8
                                                                                  9
                                                                                      10
                                                                                         11
                                                                                            12
                                          6
                                              4
y = 0
                                                                                   Fix Filter
                 Line_Buffer
                                     right
                                                        Step 1
                  3
                                                        Step 2
 val_in = 4
                                                                                  result
  read_count = 11
                                               Output stream
               13 | 16 | 19
```