

4. LOOPS

[Hengfeng Wei \(魏恒峰\).](#)

hfw@nju.edu.cn



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Review

For Statement (More Examples)

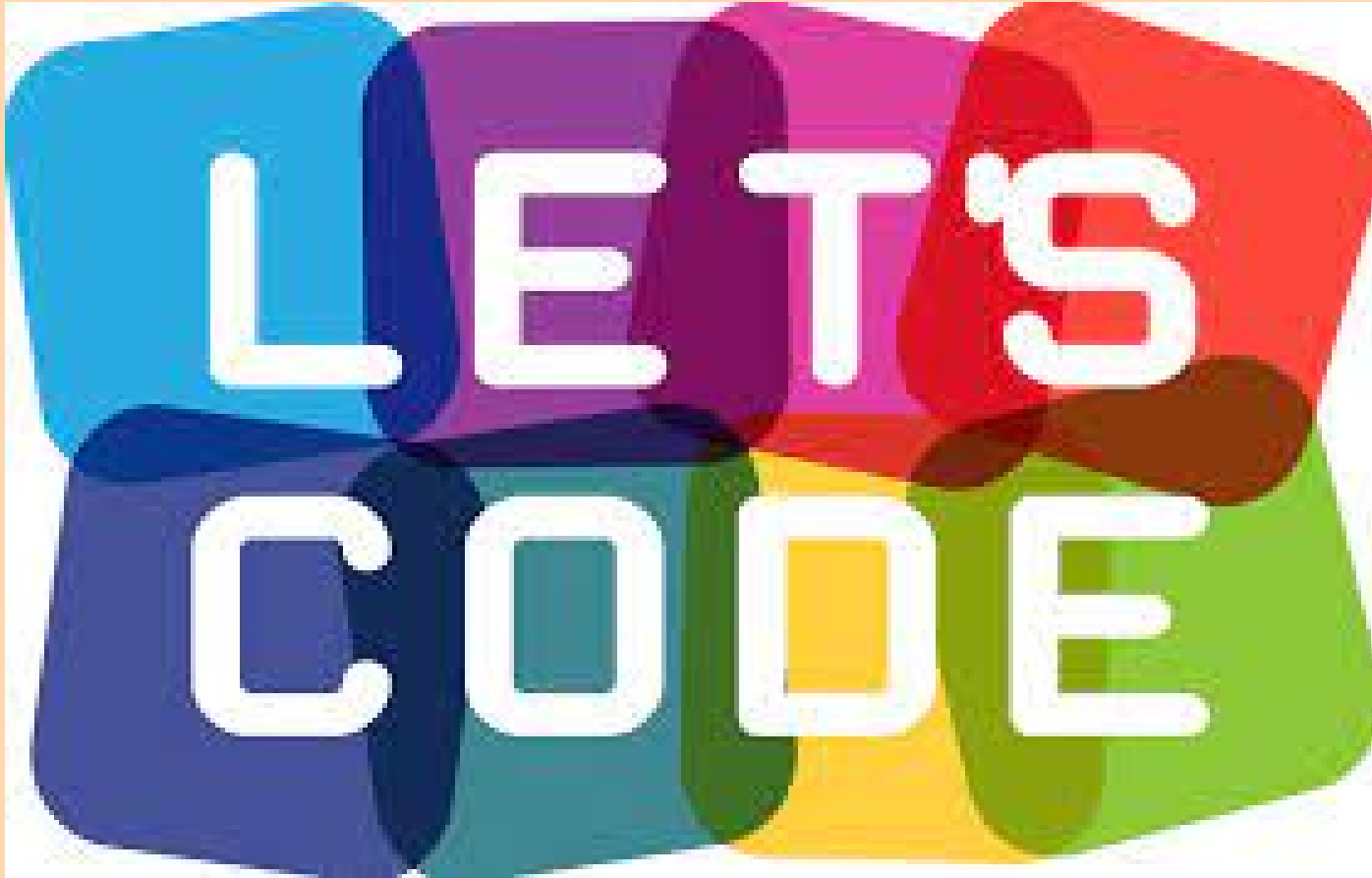
While (Do-While) Statement

break Statement

Overview

Loops (More Examples)

Multidimensional Arrays (多维数组)



[game-of-life.c](#)

[merge.c](#)

[bubble-sort.c](#)

Conway's Game of Life @ wiki

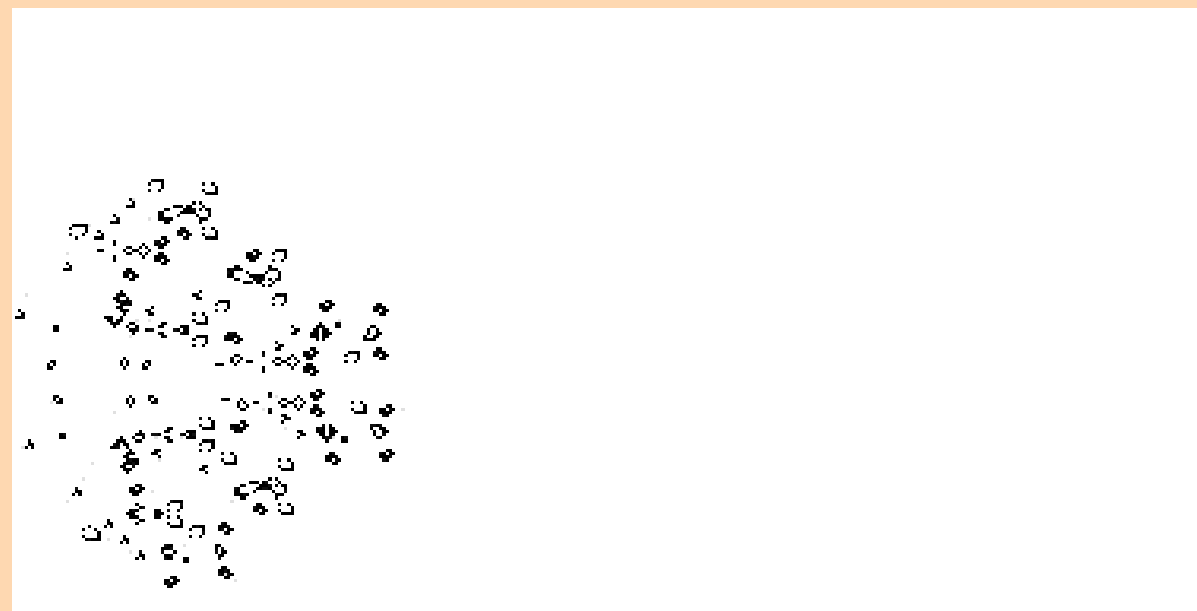
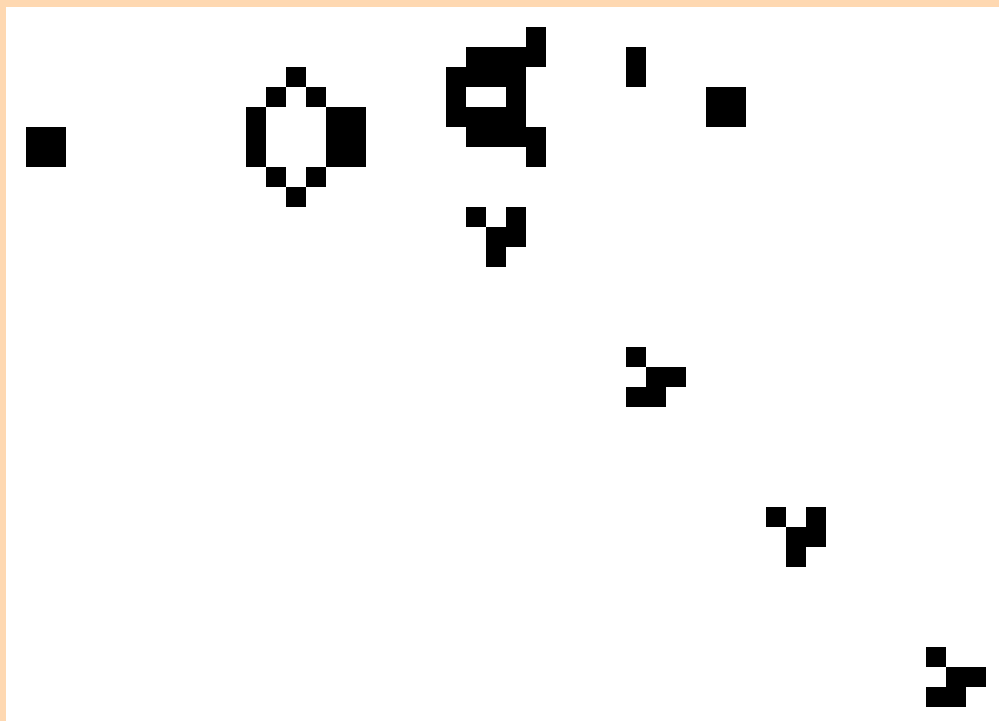


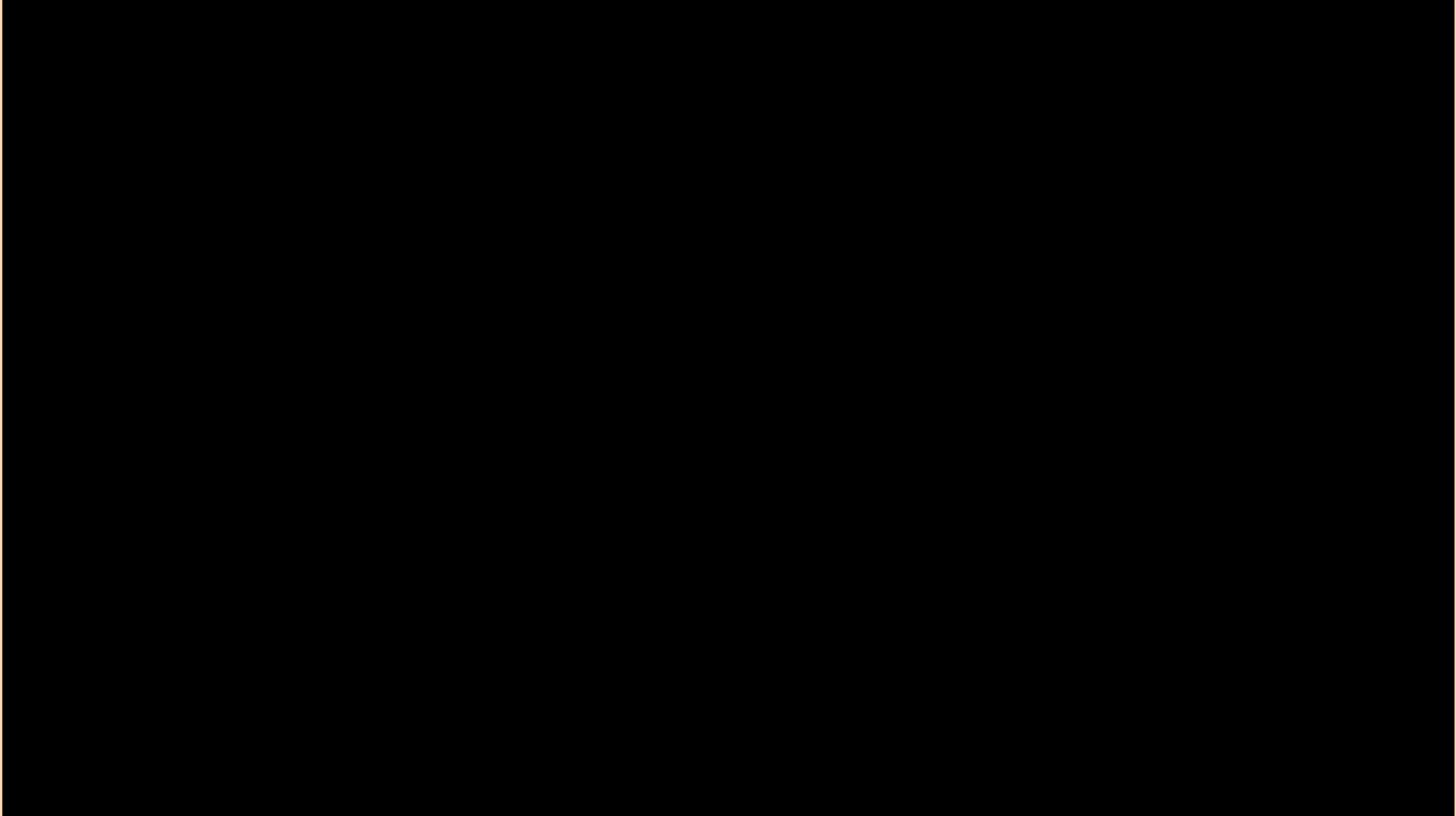
John Horton Conway (1937 ~ 2020)

Conway's Game of Life @ wiki

playgameoflife.com (Cellular Automata; 元胞自动机)

- Any **live** cell with two or three live neighbours survives.
- All other **live** cells die in the next generation.
- Any **dead** cell with three live neighbours becomes a live cell.
- All other **dead** cells stay dead.

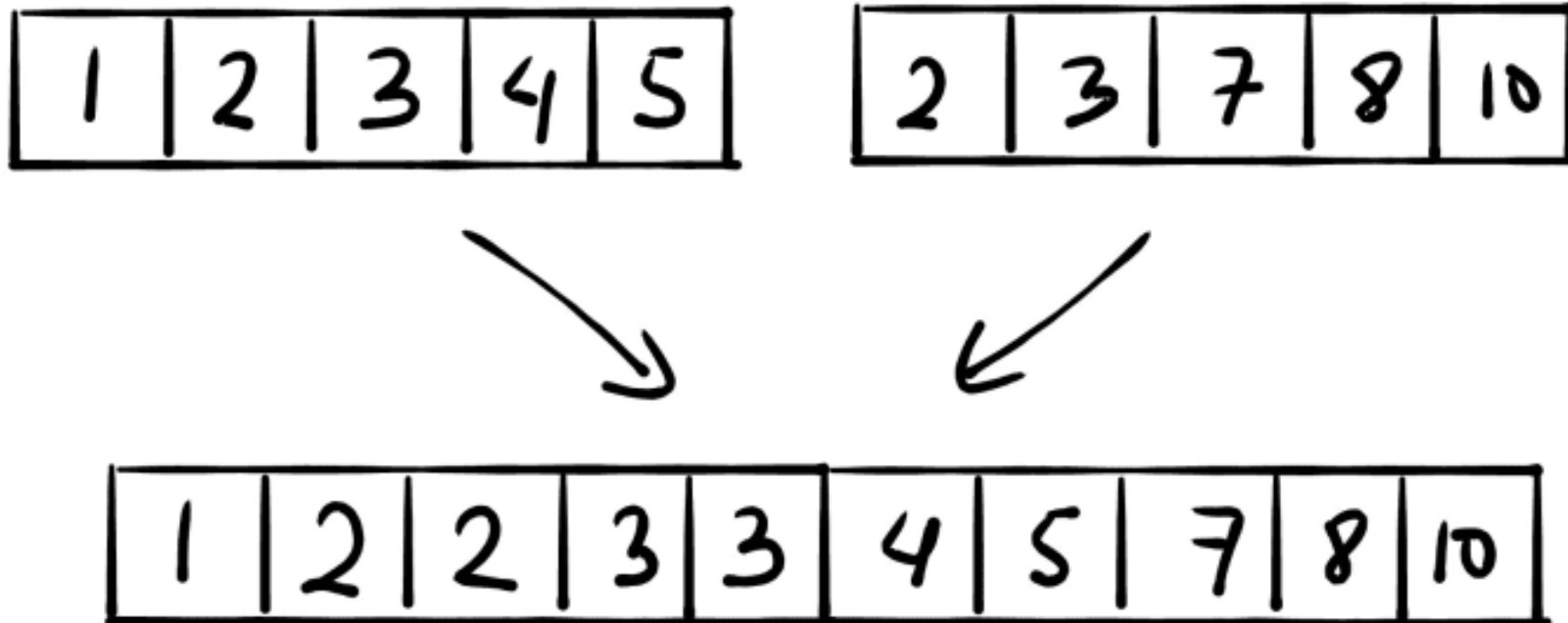




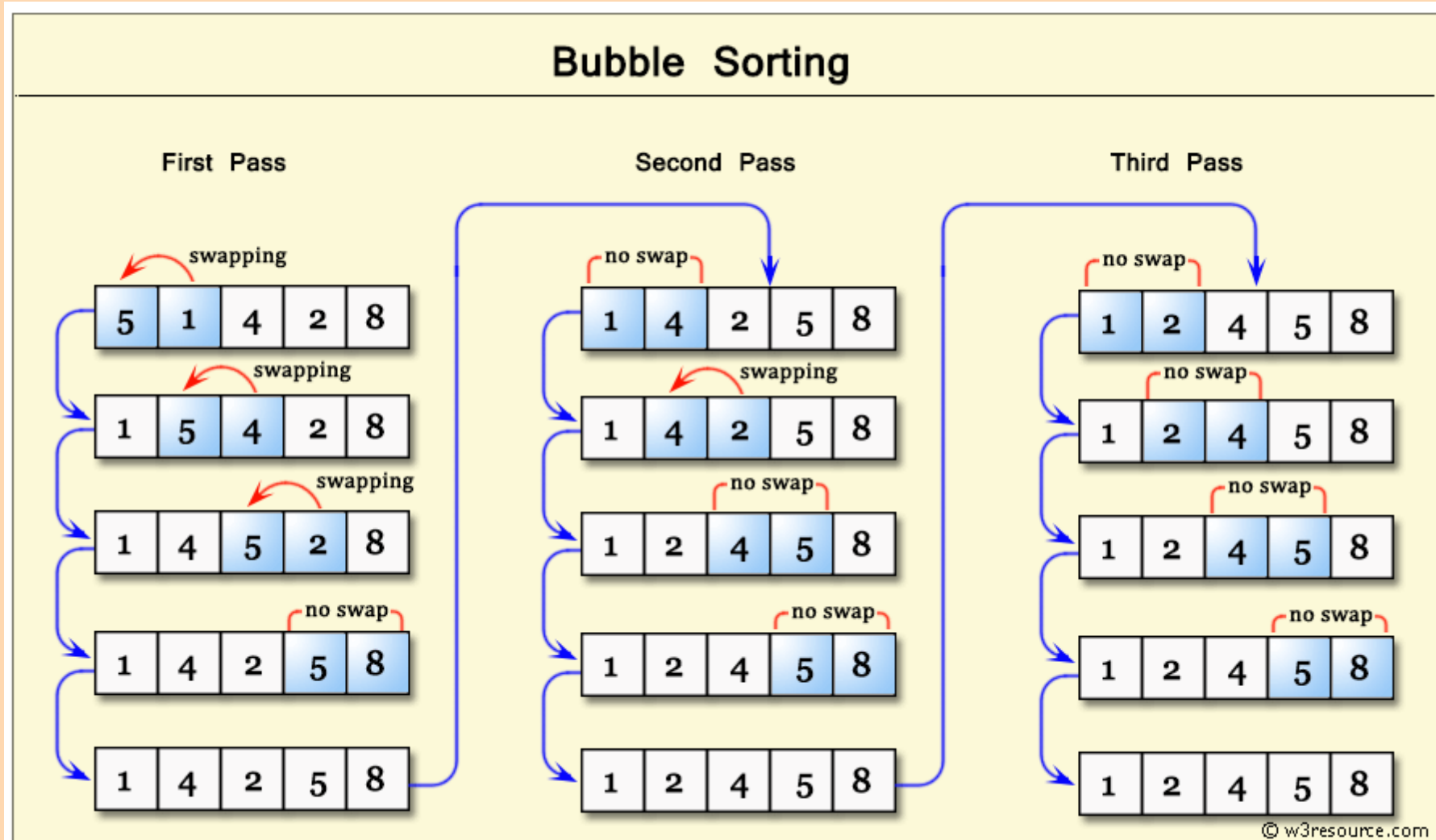
game-of-life.c

Merge (**merge.c**)

Merge Two Sorted Arrays



Bubble Sort (**bubble-sort.c**)



Bubble Sort (**bubble-sort.c**)

6 5 3 1 8 7 2 4

