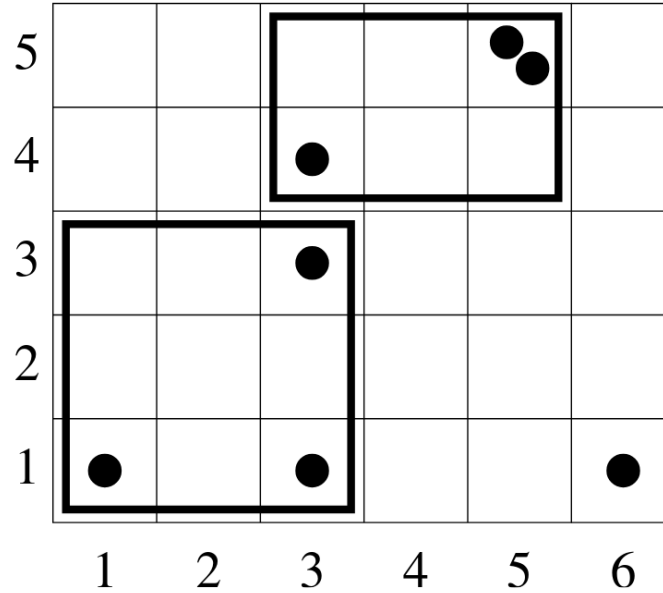# Joint Problem Session

April Camp 2022

Problem 1 – Garden (IOI 2005)

Garden: O(n^10)

Garden: O(n^8)

Garden: O(n^4)

Garden: O(n^3)

Problem 2 – Quality of Living (IOI 2010)

$\mathbf{R}=5$, $\mathbf{C}=5$, $\mathbf{H}=3$, $\mathbf{W}=3$,

$\mathbf{Q}=$

5	11	12	16	25
17	18	**2**	**7**	**10**
4	23	**20**	**3**	**1**
24	21	**19**	**14**	*9*
6	22	8	13	15

QoL: O(n^4)

QoL: O(n^3)

QoL: O(n^2 log n)