ArrayList <Integer>   al = new ArrayList<>();

① al·add (100); | 10 | 30 | 20 | 40 | → | 10 | 30 | 20 | 40 | 100 | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | // → $O(1)$
                      0   1   2   0   1   2   3   4   0   1   2   3   4   5   6

② al·set (2, 150); | 10 | 20 | 30 | 40 | 100 | → | 10 | 20 | 150 | 40 | 100 | → arr(2) = 150
                        0   1   2   4   0   1   2   3   7

                                                                                    → arr·length

③ al·size ();   → 5

④ al·get (2);   → 150
    al·get (0) → 10
    al·get (4) → 100
    al·get (5) → error

⑤ al·remove (0) ⇒ | 10 | 20 | 150 | 40 | 100 | → | 20 | 150 | 70 | 100 | // $O(n)$
   al·remove (al·size()-1) → | 10 | 20 | 150 | 40 | 100 | → | 10 | 20 | 150 | 70 | // $O(1)$

⑥ Collections· sort (al); | 10 | 20 | 150 | 40 | → | 10 | 20 | 70 | 150 |

arr·set (i, ele)

| 1 | 4 | 2 | 3 | arr·addat·(1,5) | 10 | 5 | 2 | 3 |
  0   1   2   0   1   2   3

                        arr·addat (2,50) | 10 | 2 | 3 | 50 | // $O(1)$
                                             0   2   3

arr·get (idx)   =   arr (idx)
arr·size ()   =   arr·length
arr·set (idx, ele)   =   arr [idx] = ele;

ArrayList<Integer> al = new ArrayList()

  0   1   2   3   4   5
| 20 | 20 | 70 | 50 | 100 | 0 | 0 | 0 | 0 |
              ↑
             idx