

Array list :- Dynamic Array :-

Array \Rightarrow 10

Array List < Integer > a = new Array List ();

a.add(1);
a.add(1);
a.add(1);
a.add(1);
a.add(1);

b [20]
11

a.add(1); 112 time

a.set (0, 100) ;

a.get(idn);

a.remove(idn)

a.size()

1, 2, 3, 4, 5, 6, 7, 8, 9, 10
0 1 2 3 4 5 6 7 8 9

for (i=0 to size-1) {

remove(i)

}

size = 10
i = 0 1 2 3 4 5 6 7 8 9

1 2 3 4 5 6 7 8 9 10 | size = 10
0 1 2 3 4 5 6 7 8 9

$n = 7$
 $7 \times 7 = n \times n = (n^2)$

Cost OI :-

1 1 1 1 1 1 1 1 1 1

Sort DI :-

0 0 0 1 1 1 1 1 1

$$\begin{array}{r} \Rightarrow \quad 00111111 \\ \hline 2 \end{array} \quad \begin{array}{l} j = 0 \\ j = 0 \end{array}$$
$$= \frac{y(\text{a.get}(i)) = 1}{i++} \quad | \Rightarrow \text{else } \{ \text{sum}(i, j) \}$$

$O(n)$

Sort 0 1 2

$$\begin{array}{ccccccc} \underline{1} & 2 & & & & & \\ 0 & 0 & 1 & 1 & 1 & 2 & 2 & 2 \end{array} \Rightarrow 0 \underline{011222}$$

$y(a.get(i) - 20)$
 $swap(i, j)$
 $i++; j++;$

```

else if (a.get(i) == 1)
    i++;

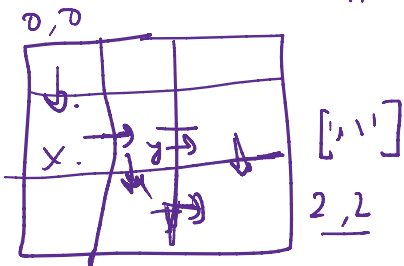
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else
swap(i, k)
k--;

a. add all (

A vector $\langle \text{string} \rangle$

get MazePath($\frac{sr}{r}, \frac{sc}{c}, d_n, d_c, \underline{res}$)


$$\begin{array}{c} [MV, VM] \\ \hline MMV, MVH \end{array}$$