

1	3	4	5	9	7
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5) $i = 5$
 $min = 5$

$j = 6$
 $7 < 9 \checkmark$
 $min = 6$

→ swap $A[6], A[5]$

1	2	3	4	5	6
1	3	4	5	7	9

Bubble sort

1	2	3	4	5	6
3	9	7	4	1	5

$i = 1$

$j = 1$

$3 > 9 \times$

$j = 2$

$9 > 7 \checkmark$

1	2	3	4	5	6
3	7	9	4	1	5

$j = 3$

$9 > 4 \checkmark$

1	2	3	4	5	6
3	7	4	9	1	5

$j = 4$

$9 > 1 \checkmark$

1	2	3	4	5	6
3	7	4	1	9	5

$j = 5$ $9 > 5$

1	2	3	4	5	6
3	7	4	9	1	5

② $i = 2$

1	2	3	4	5	6
3	7	4	1	5	9

 $j = 1$ $3 > 7$ ✗ $j = 2$ $7 > 4$ ✓

1	2	3	4	5	6
3	4	7	1	5	9

 $j = 3$ ③ ~~$j = 3$~~ $7 > 1$ ✓

1	2	3	4	5	6
3	4	1	7	5	9

 $j = 4$ ~~$j = 4$~~ $7 > 5$ ✓

1	2	3	4	5	6
3	4	1	5	7	9

③ $i = 3$ $j = 1$ $3 > 4$ ✗ $j = 2$ $4 > 1$ ✓

1	2	3	4	5	6
3	1	4	5	7	9

 $j = 3$ $4 > 5$ ✗④ $i = 4$ $j = 1$ $3 > 1$ ✓

1	2	3	4	5	6
1	3	4	5	7	9

 $j = 2$ $3 > 4$ ✗

output :

1	2	3	4	5	6
1	3	4	5	7	9