



Rank Sort

9	4	2	7	6	5	6	1
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1	2	4	5	6	6	7	9
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Rank Sort

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

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

Rank Sort

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

0

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

Rank Sort

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

0

5

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

Rank Sort

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

0

5

4

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

Rank Sort

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

0

5

4

2

How many numbers are smaller than me?

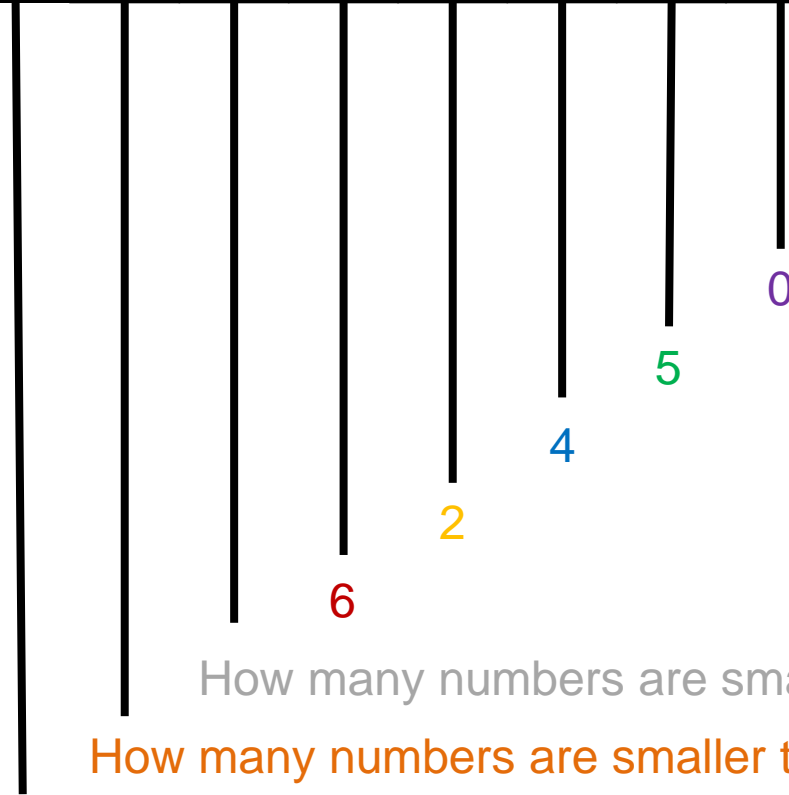
How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

Rank Sort

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

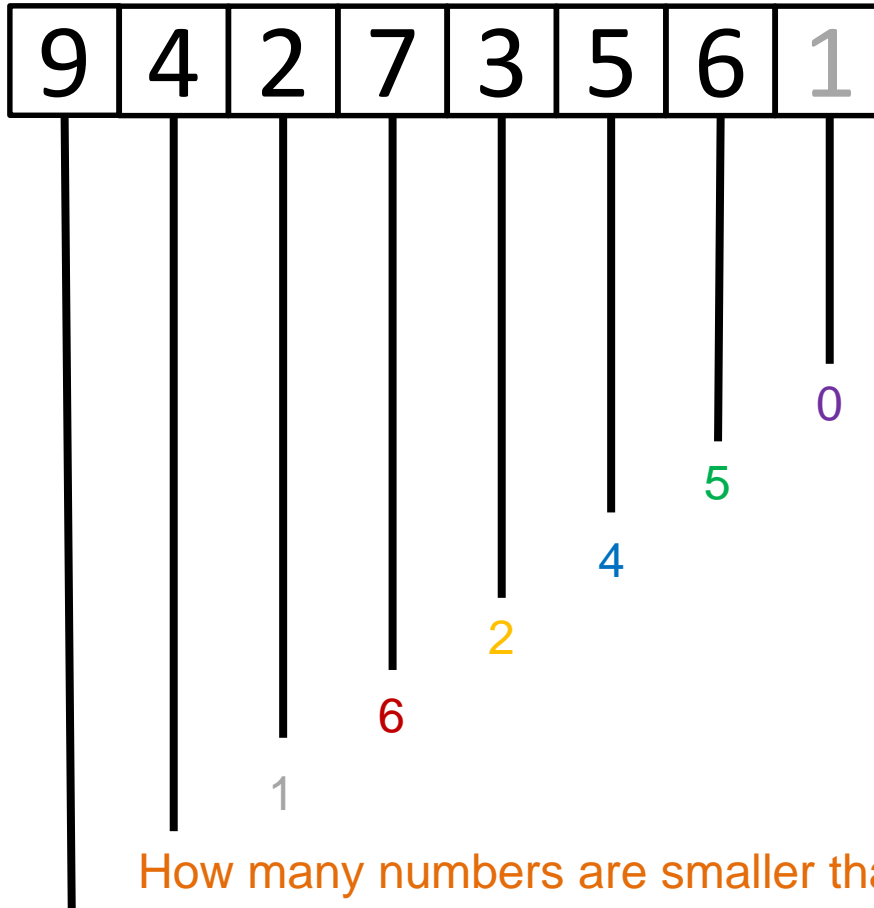


How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

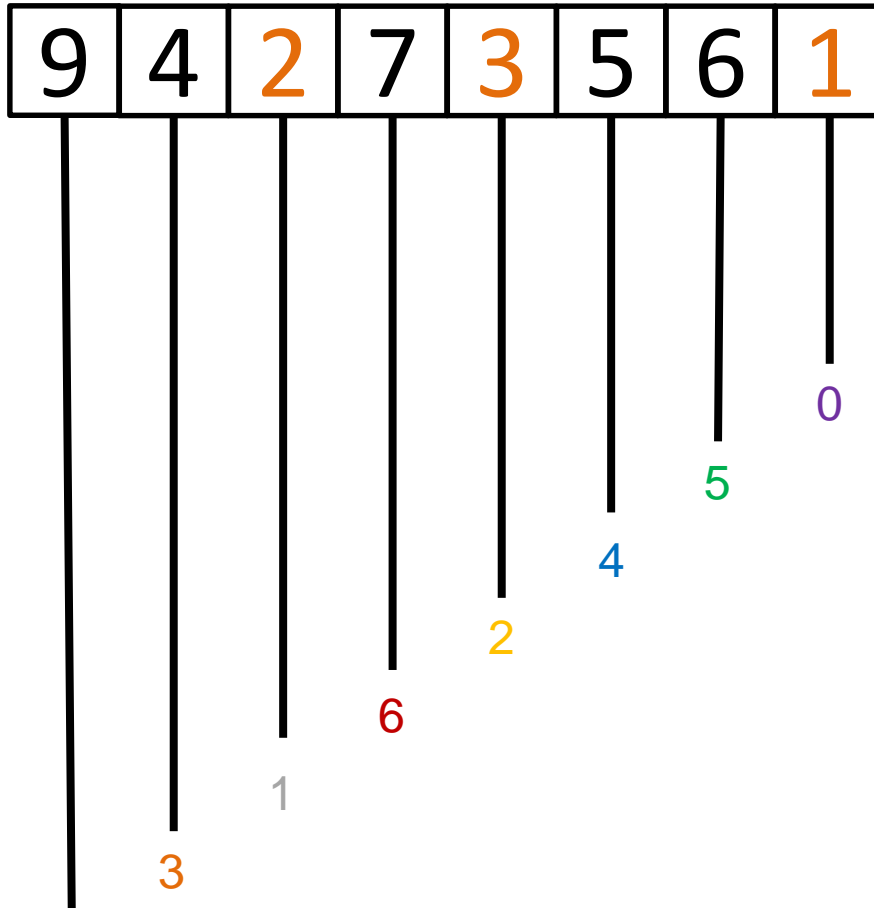
Rank Sort



How many numbers are smaller than me?

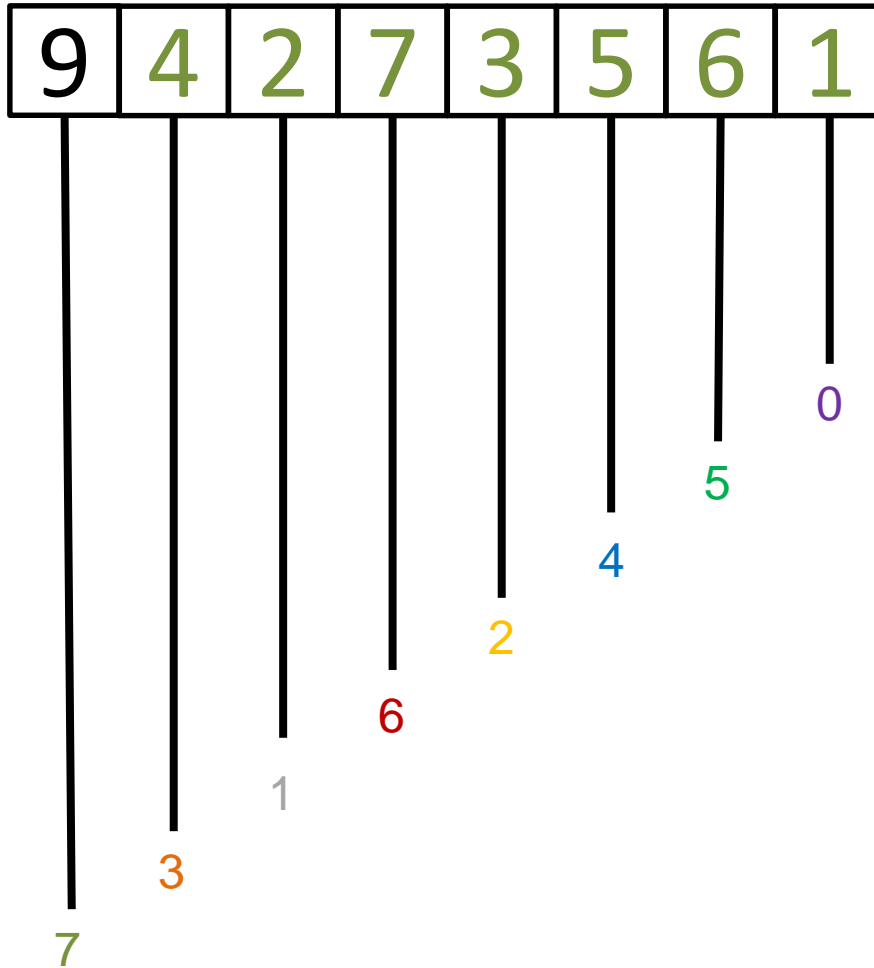
How many numbers are smaller than me?

Rank Sort



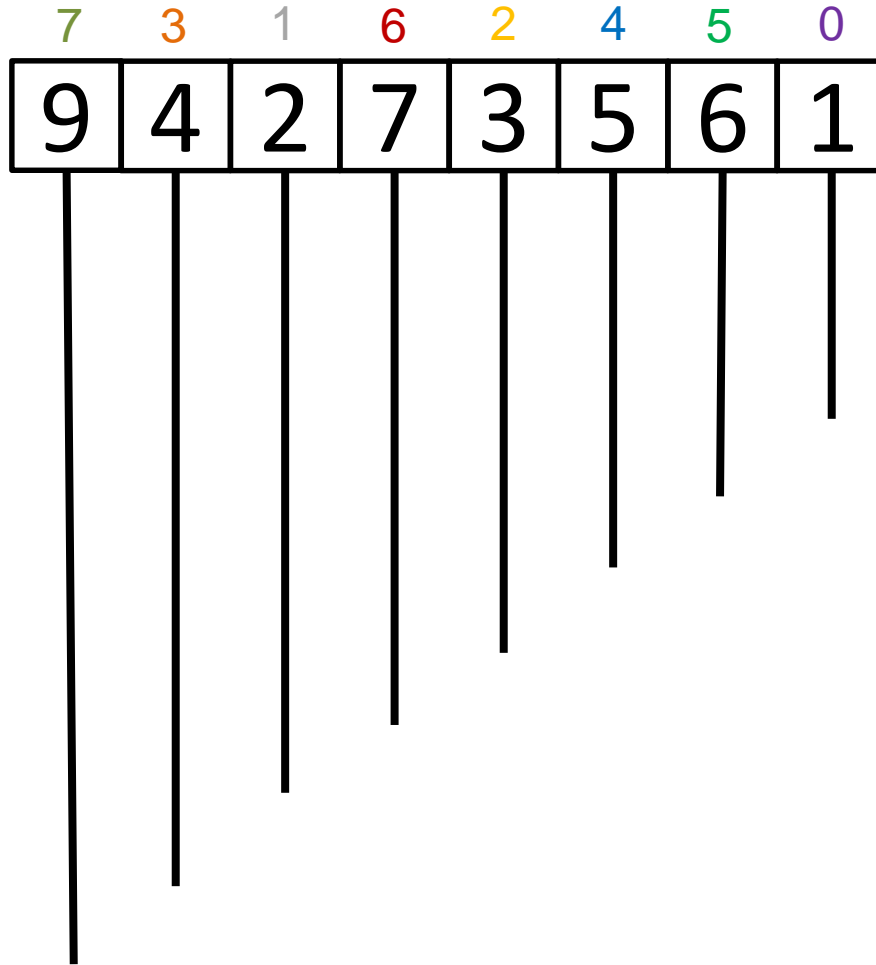
How many numbers are smaller than me?

Rank Sort



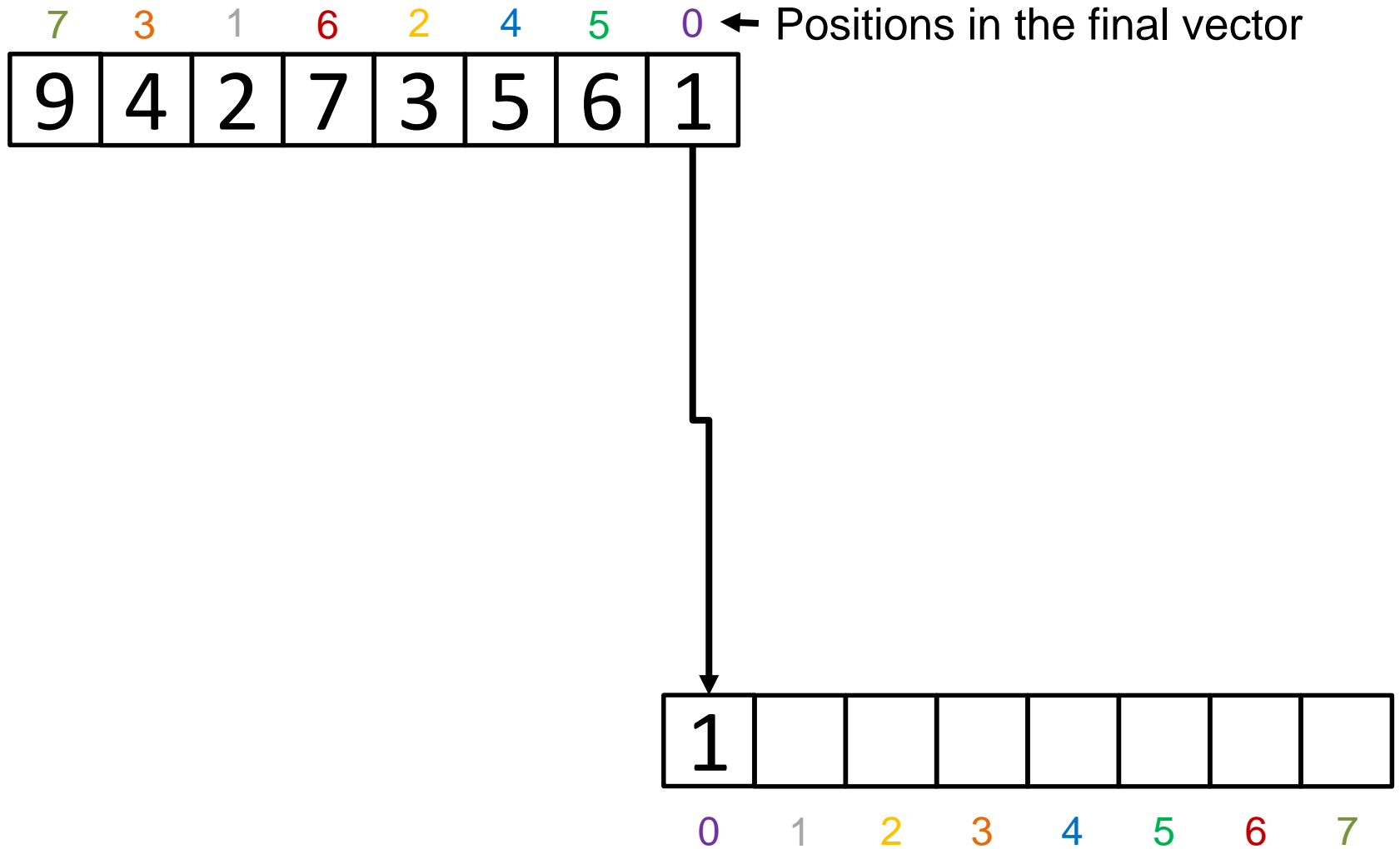


Rank Sort

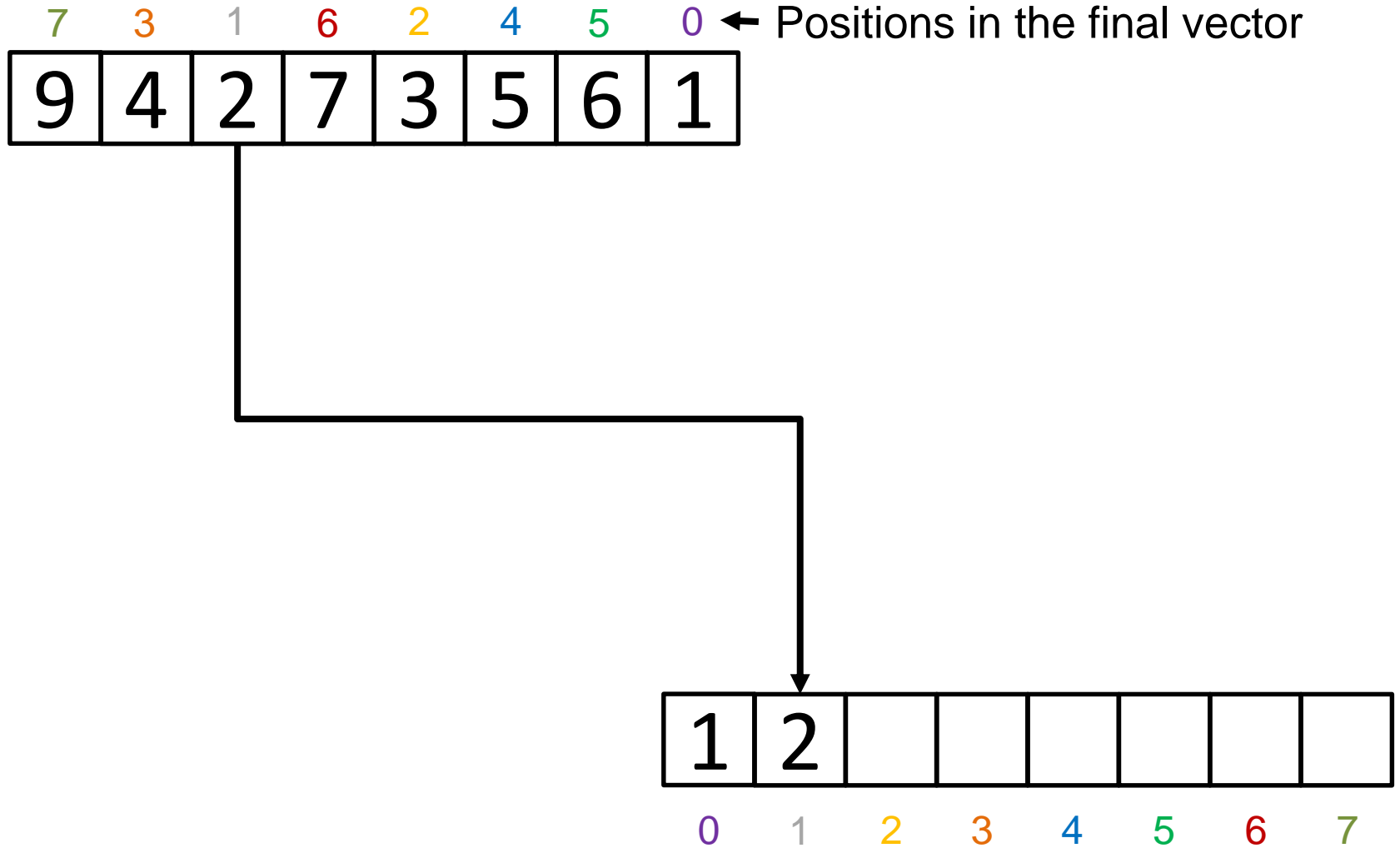


Positions in the final vector

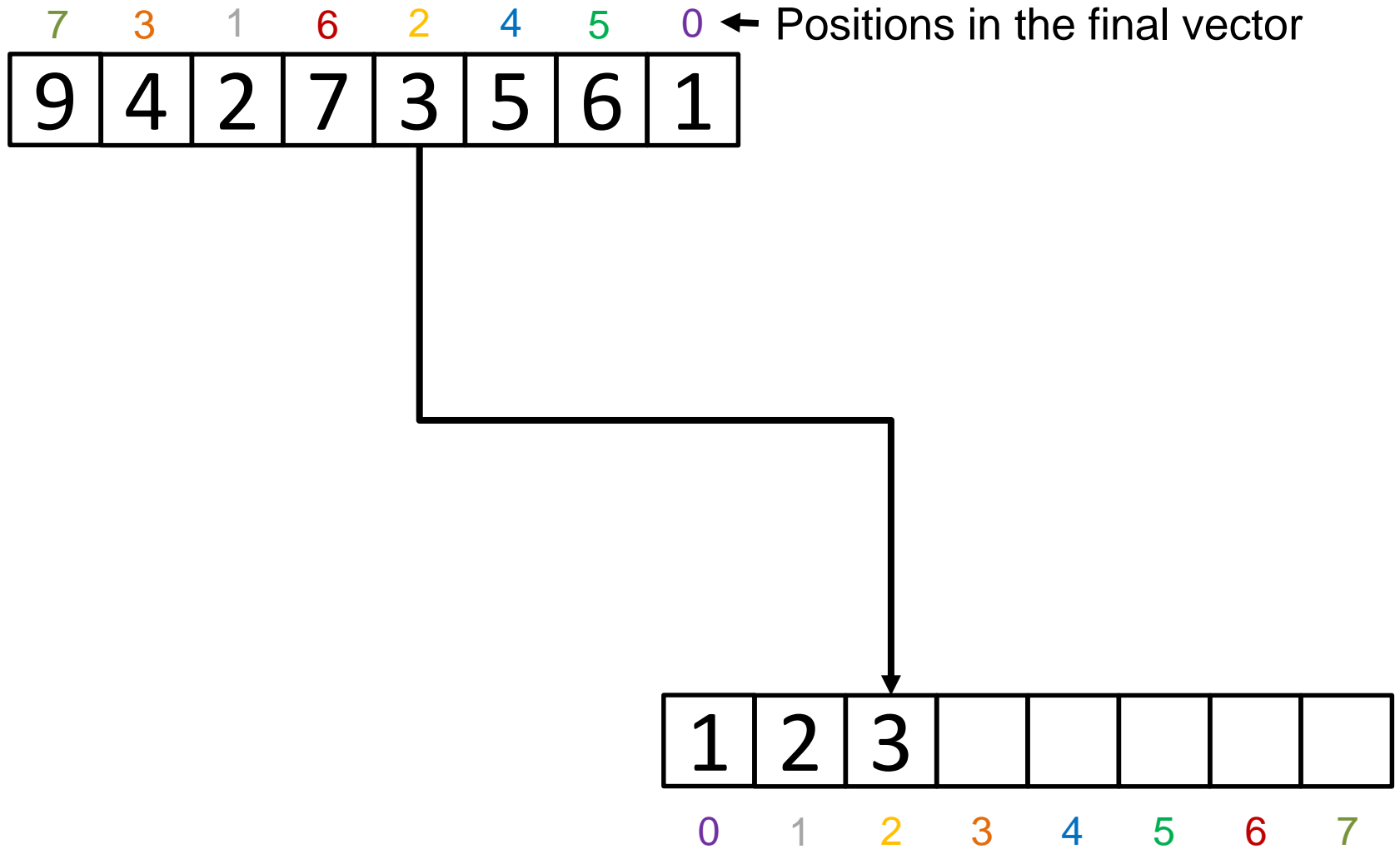
Rank Sort



Rank Sort

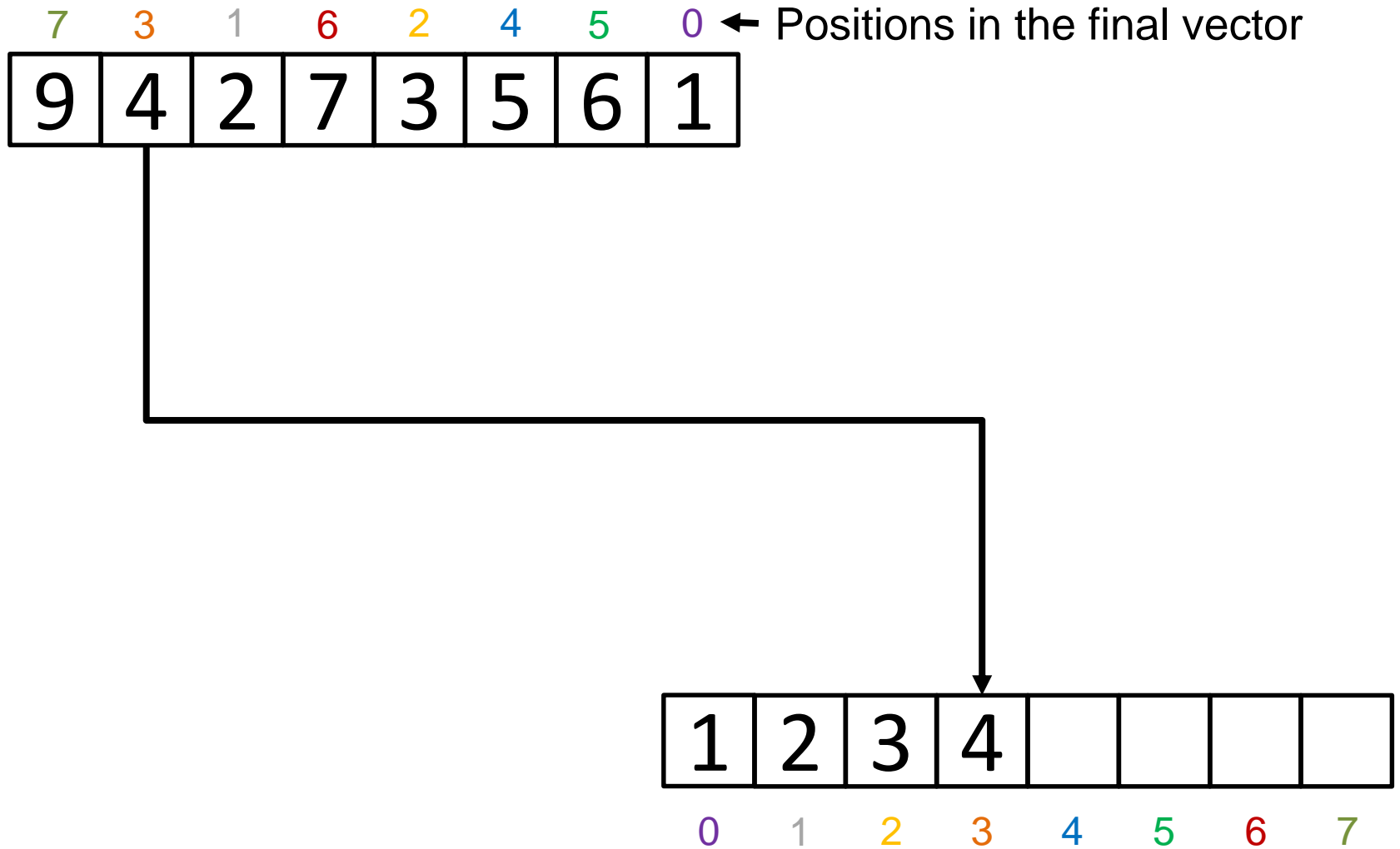


Rank Sort



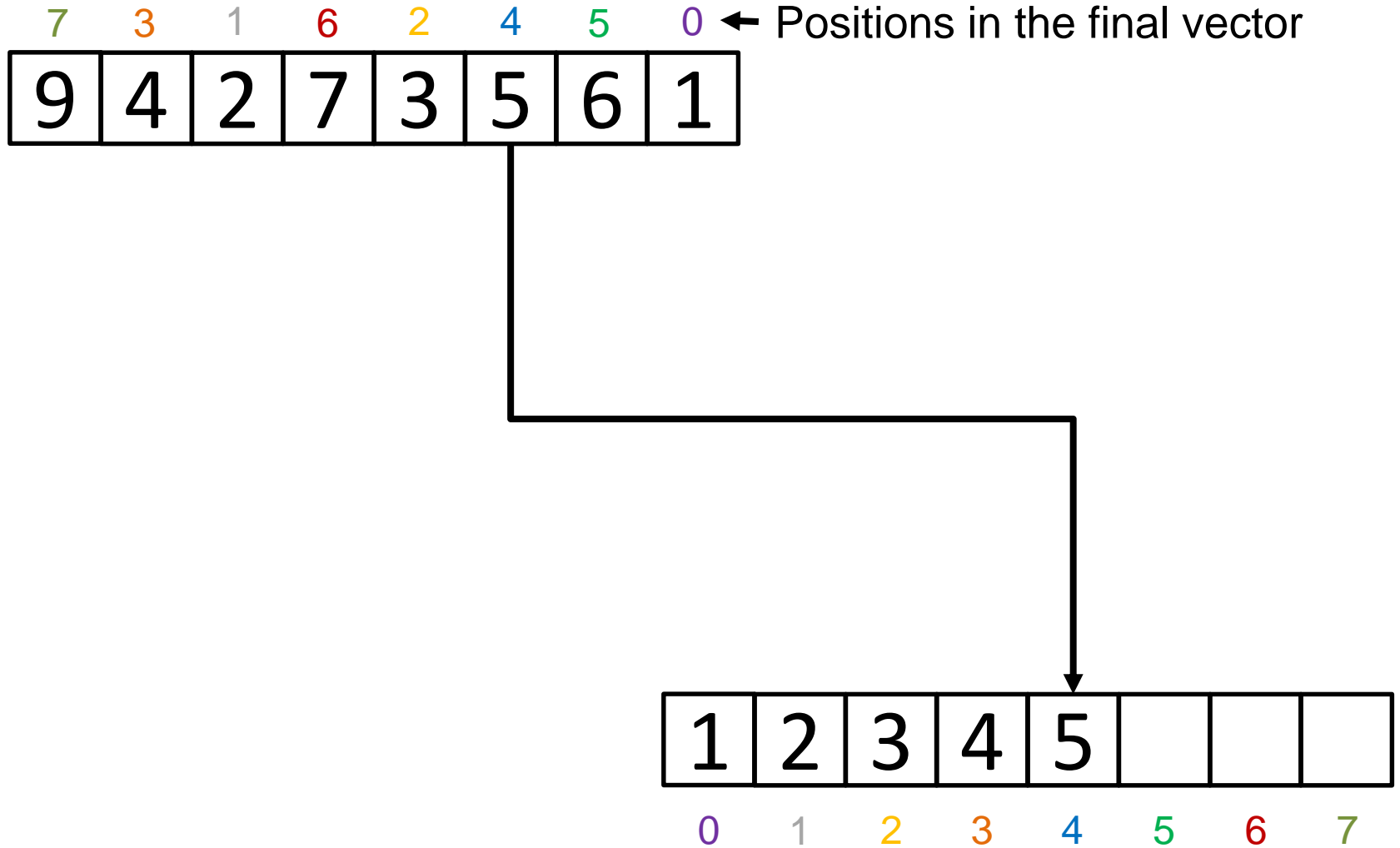


Rank Sort

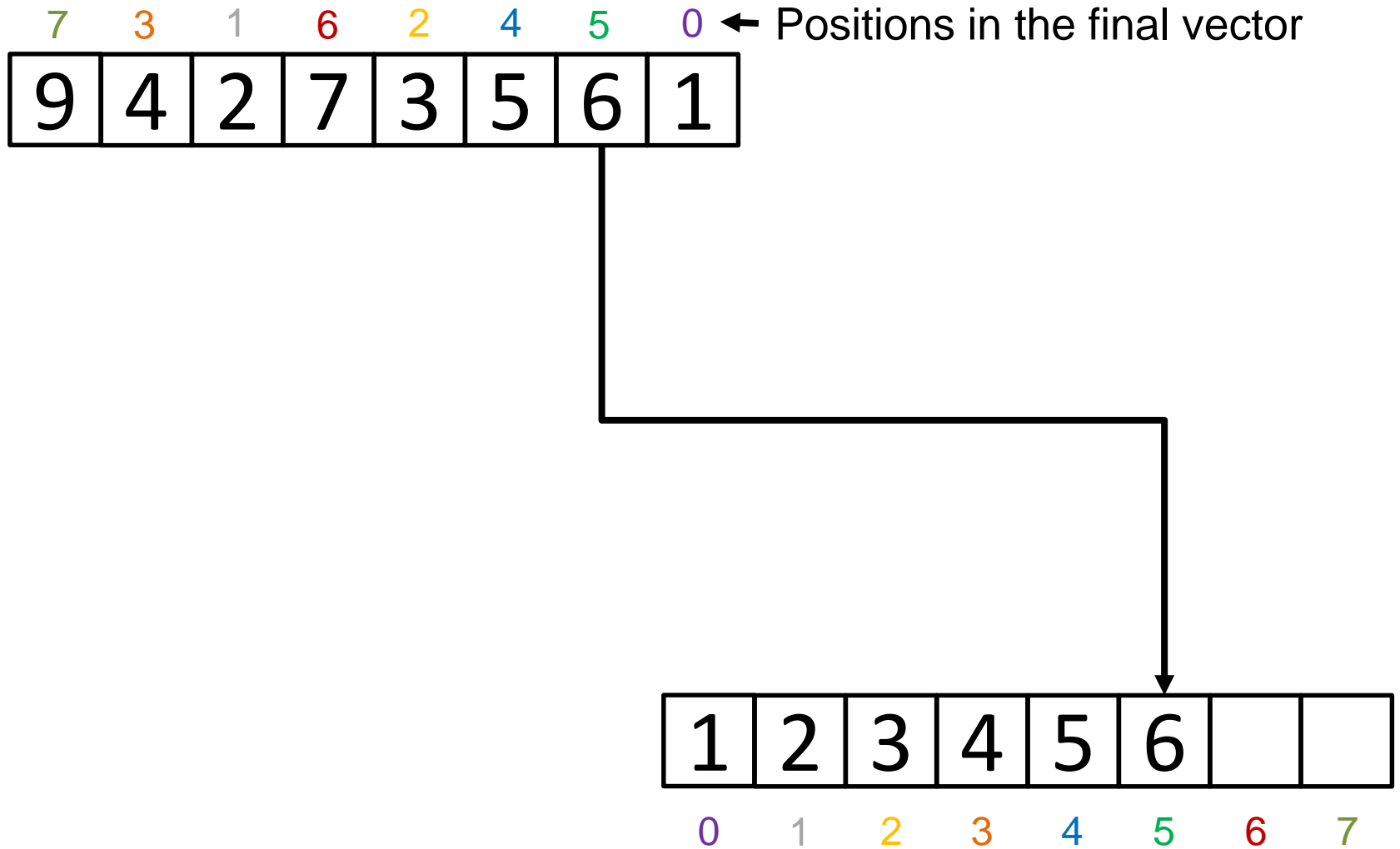




Rank Sort

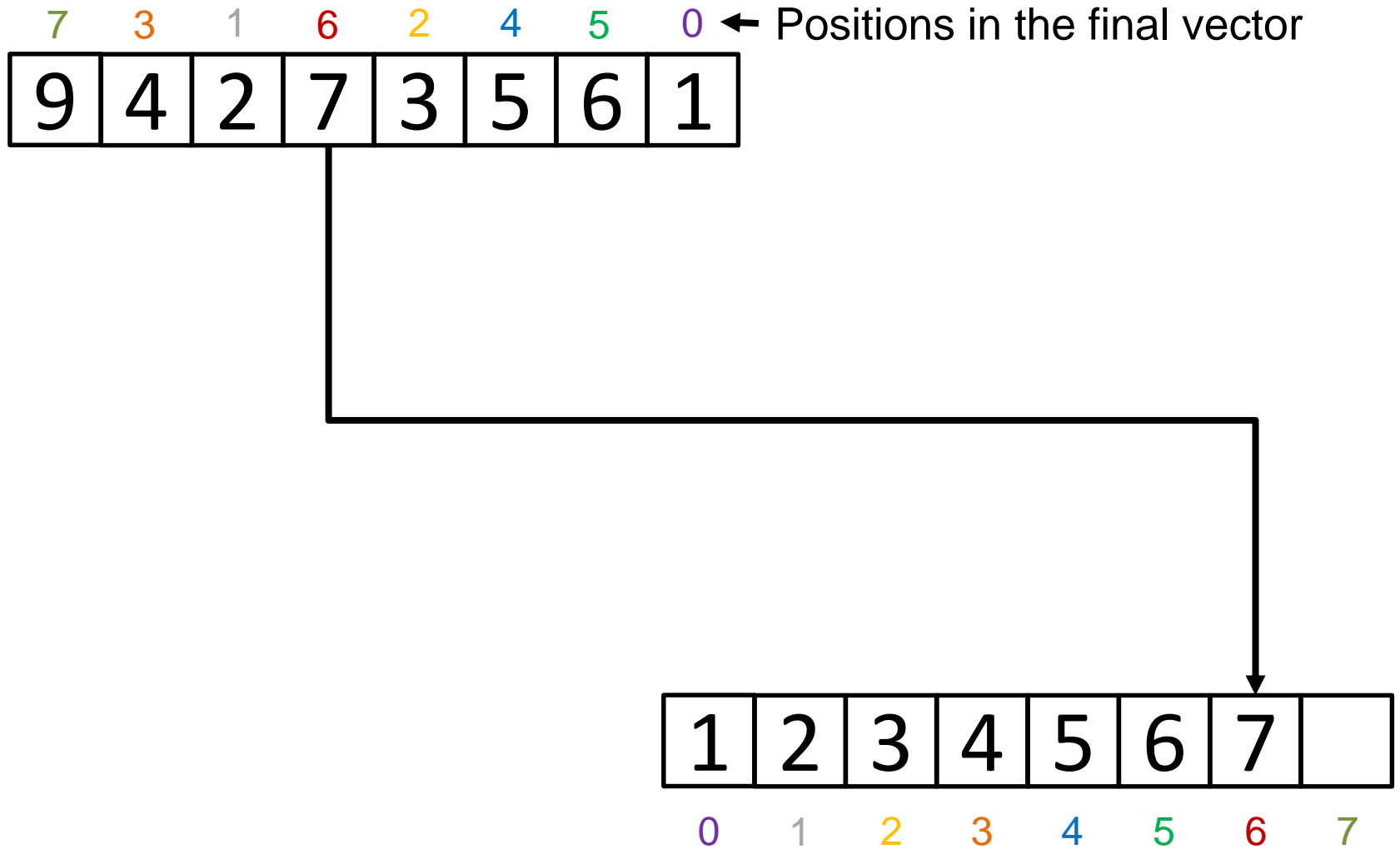


Rank Sort



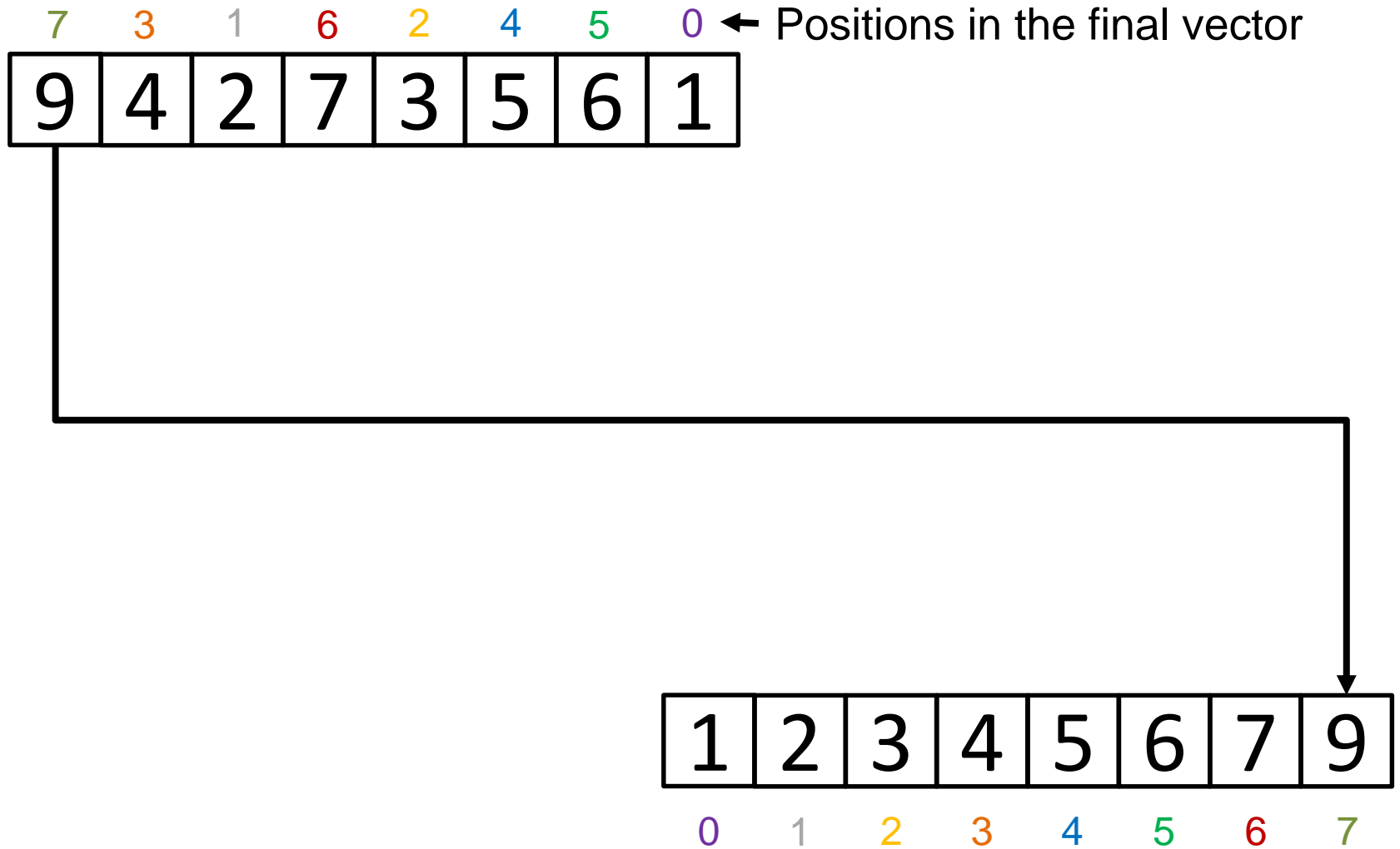


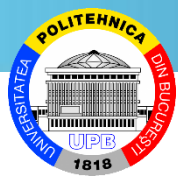
Rank Sort





Rank Sort





Parallel Rank Sort

9	4	2	7	6	5	6	1
---	---	---	---	---	---	---	---

1	2	4	5	6	6	7	9
---	---	---	---	---	---	---	---

Parallel Rank Sort

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

All question can be answered in parallel

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

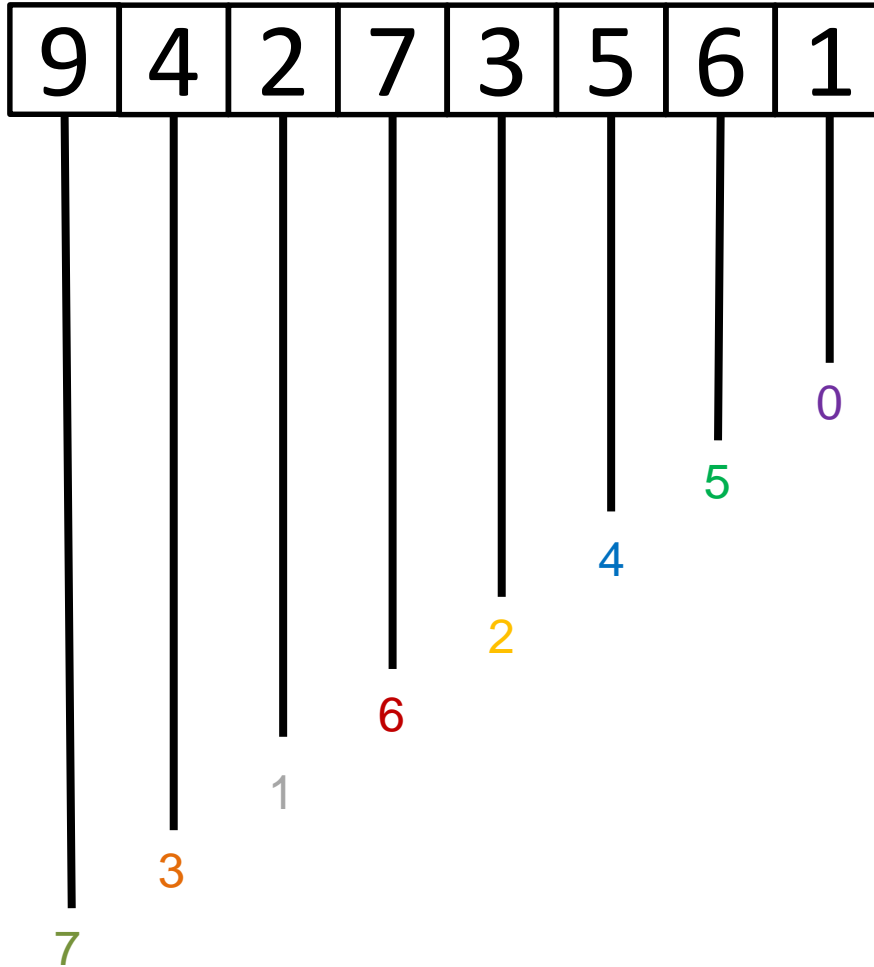
How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

How many numbers are smaller than me?

Parallel Rank Sort



All question can be answered in parallel



Parallel Rank Sort



Parallel Rank Sort

