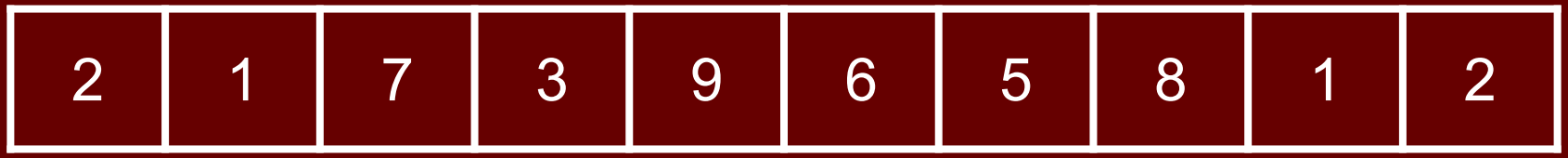
VERY hard!

11% Acceptance rate!

LeetCode Contest #122 Q4

Divide Subarrays with Minimum Costs II

k = 4 dist = 4



1. We only care about the first item of each subarray
2. The first subarray always starts at nums[0]

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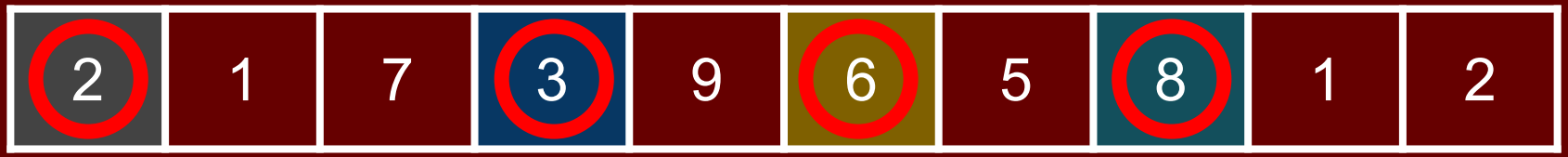
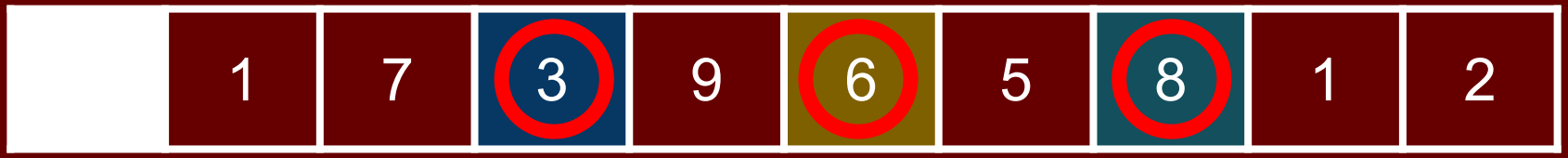


1. We only care about the first item of each subarray
2. The first subarray always starts at nums[0]

k = ~~4~~ 3 dist = 4



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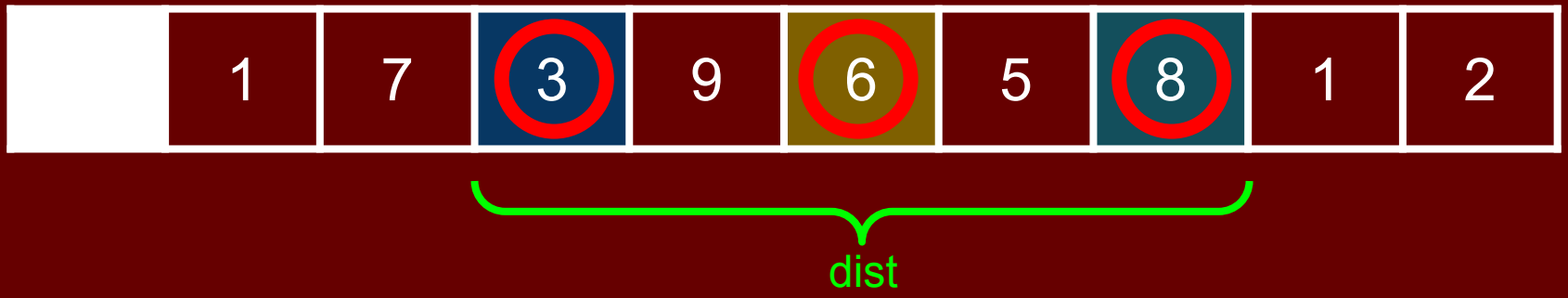

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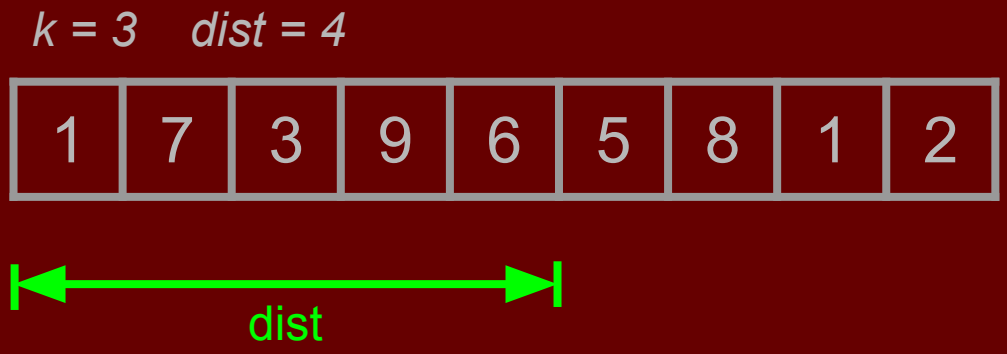
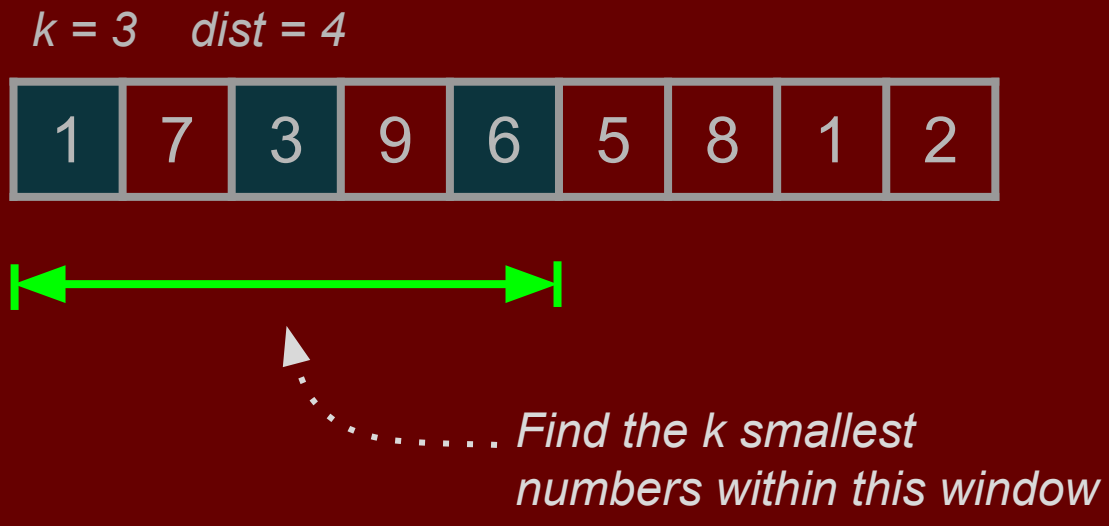
2. The first subarray always starts at nums[0]

k = 3 *dist = 4*

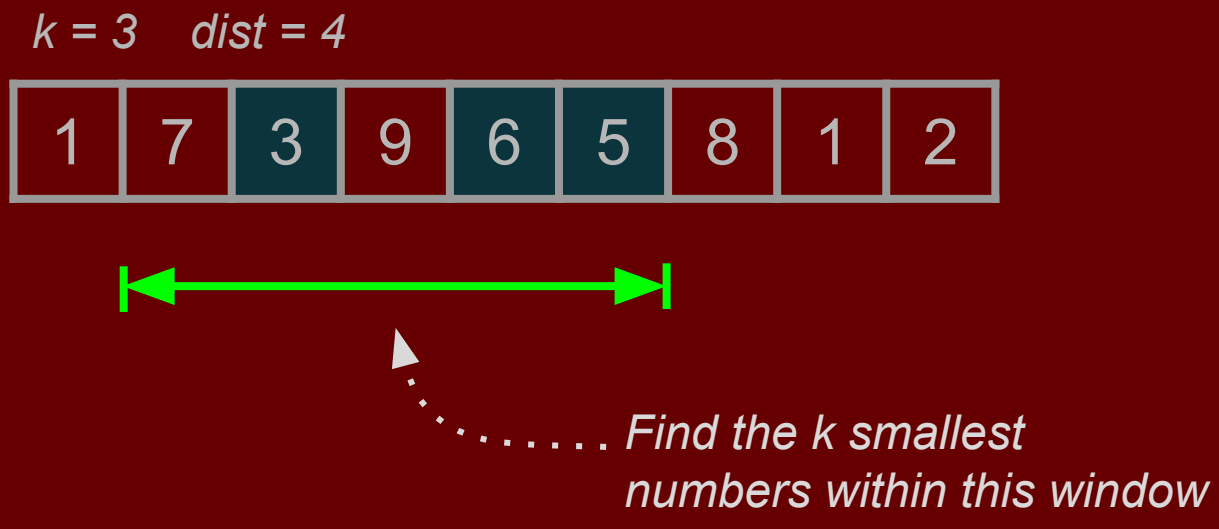
The Sliding Window Problem



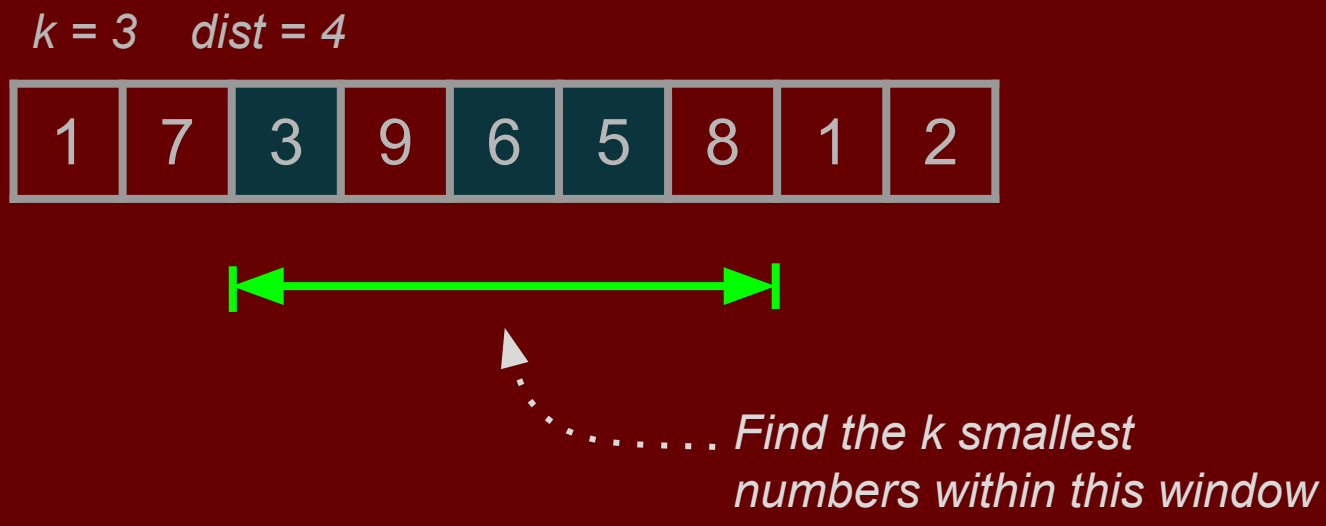
The Sliding Window Problem



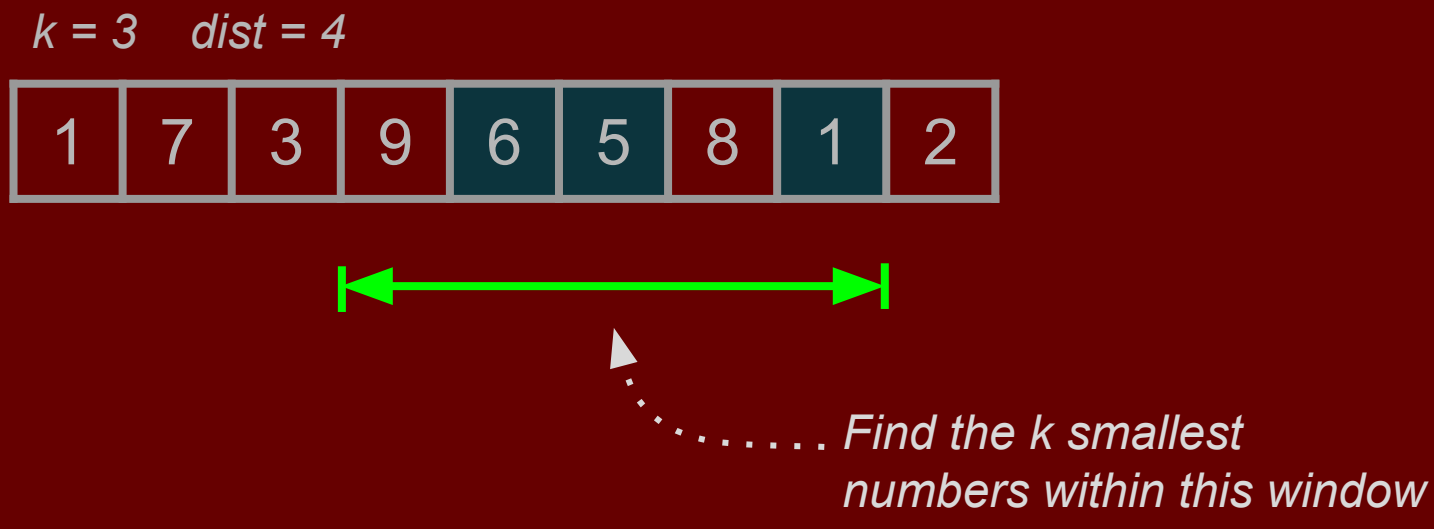
The Sliding Window Problem



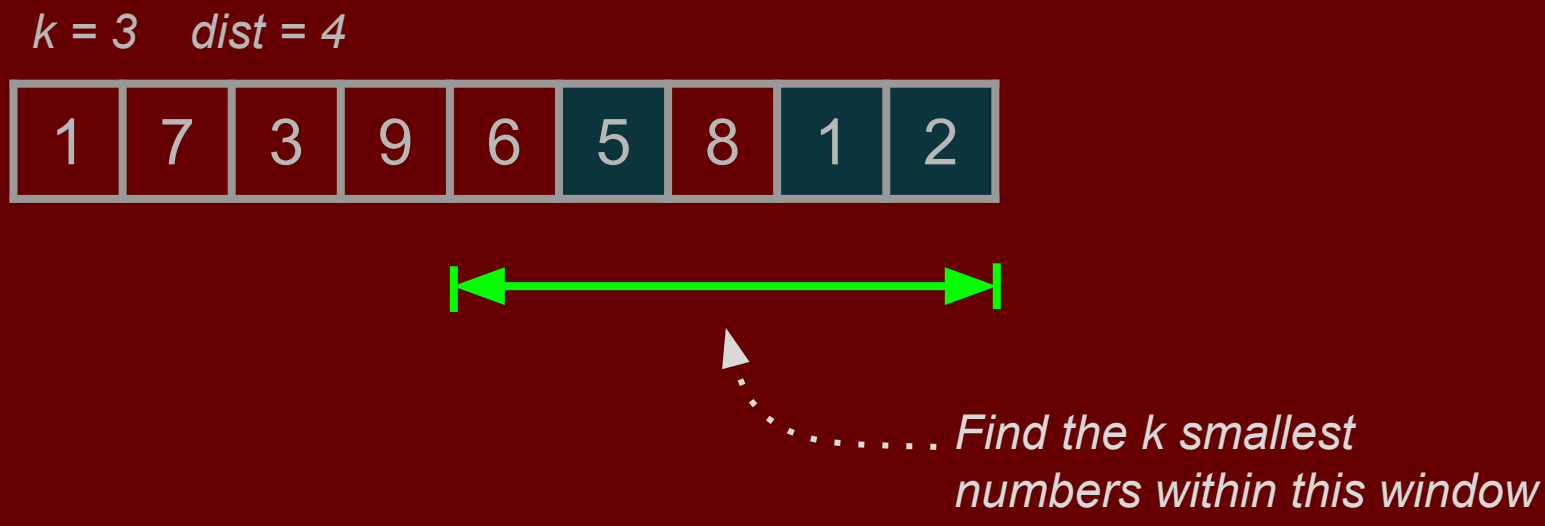
The Sliding Window Problem



The Sliding Window Problem



The Sliding Window Problem



The Sliding Window Problem

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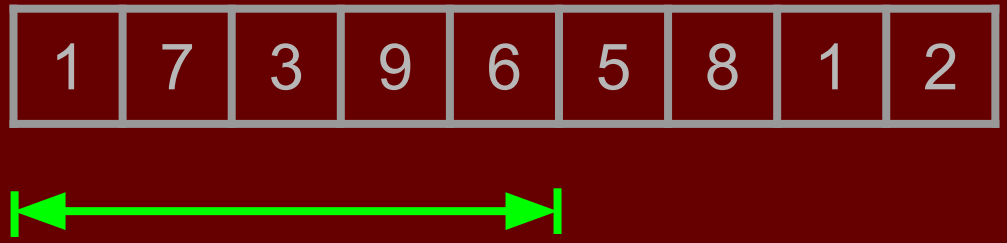


k = 3 *dist = 4*

1	7	3	9	6	5	8	1	2

1 3 6 7 9

k = 3 *dist = 4*

1	7	3	9	6	5	8	1	2

1 3 6 7 9

k = 3 *dist = 4*

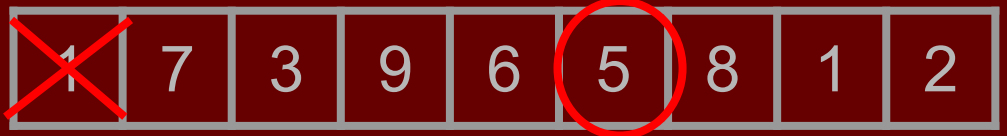
1	7	3	9	6	5	8	1	2

1 3 6 7 9 = 10

k = 3 dist = 4

1 3 6 7 9 = 10

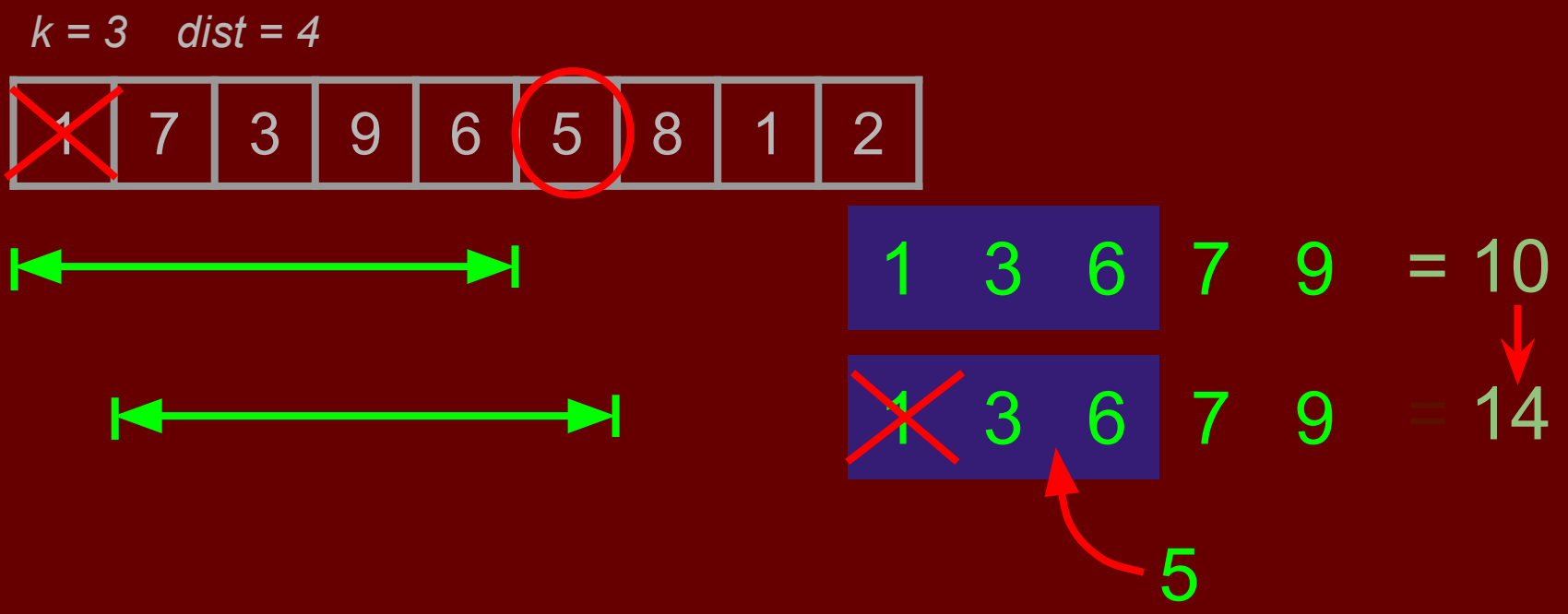
k = 3 dist = 4



1 3 6 7 9 = 10

~~1~~ 3 6 7 9

5



We removed 1 from the Blue zone, and added 5 to the Blue zone.
Hence the new sum is 10 - 1 + 5 = 14

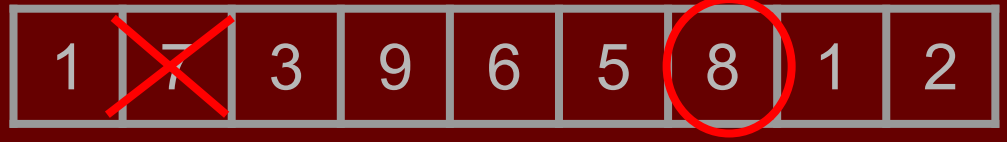
k = 3 *dist = 4*

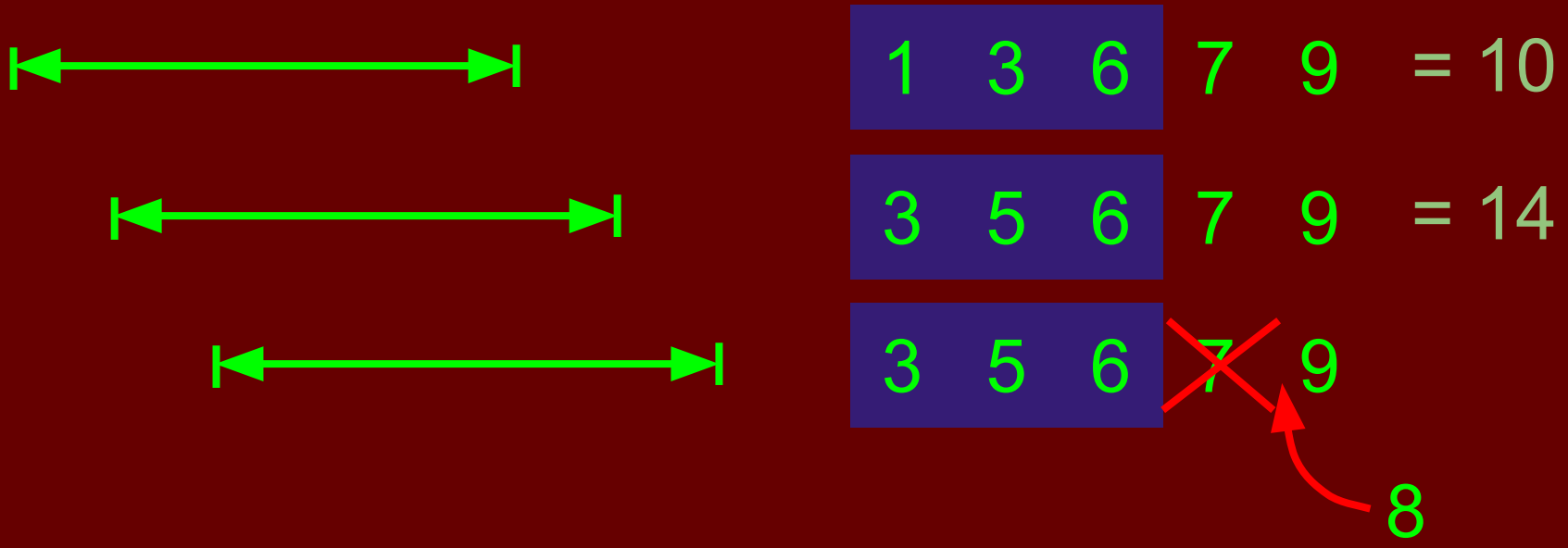
1	7	3	9	6	5	8	1	2

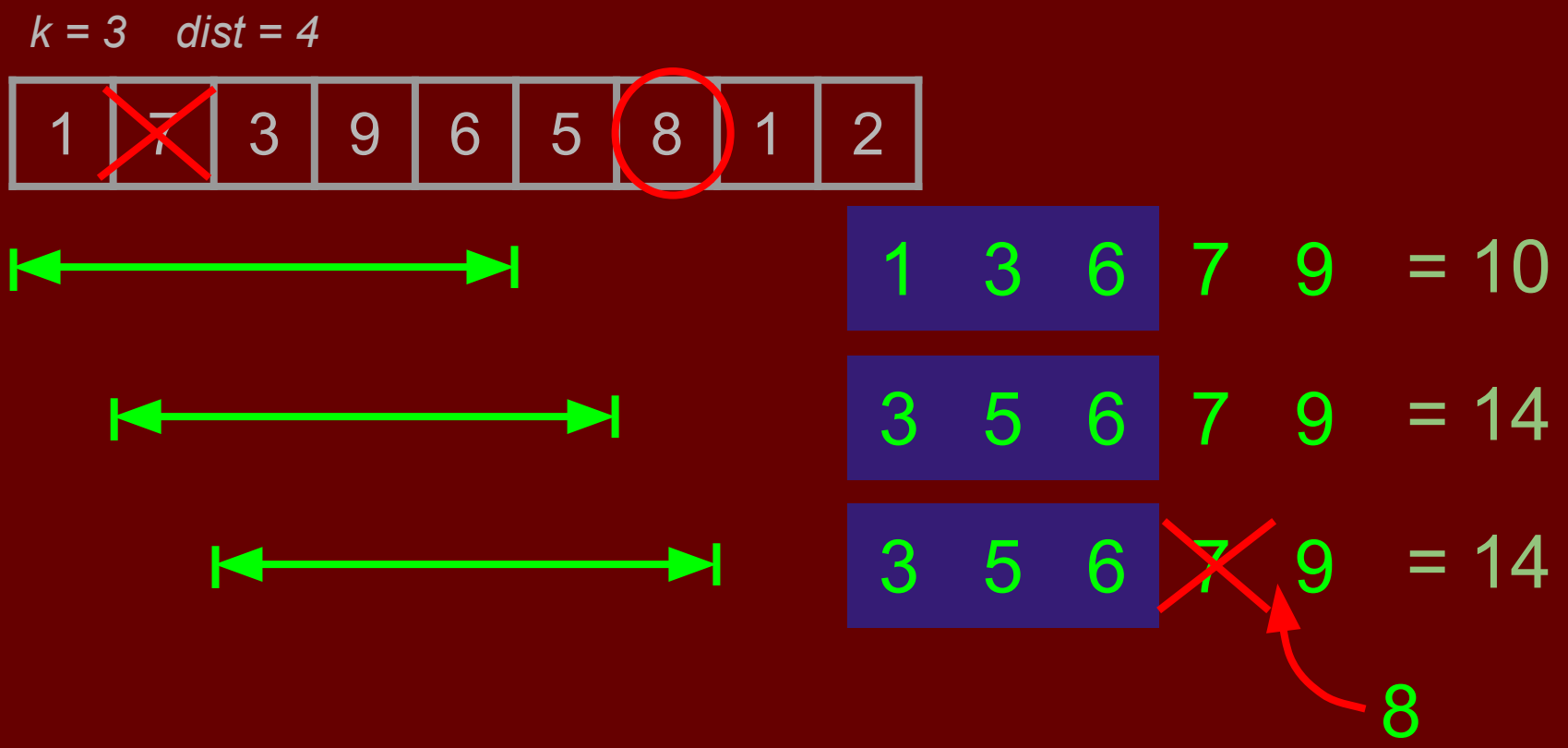
1 3 6 7 9 = 10

3 5 6 7 9 = 14

k = 3 dist = 4







No changes in Blue zone, so sum remains 14

k = 3 dist = 4

1	7	3	9	6	5	8	1	2

1 3 6 7 9 = 10

3 5 6 7 9 = 14

3 5 6 8 9 = 14

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