

Insertion sort

DOMICIANO RINCÓN

INGENIERÍA TELEMÁTICA
INGENIRÍA DE SISTEMAS



Insertion sort

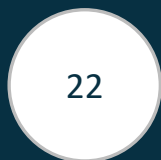
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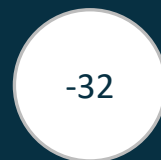
1



2



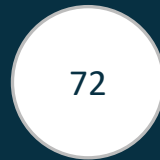
3



4



5

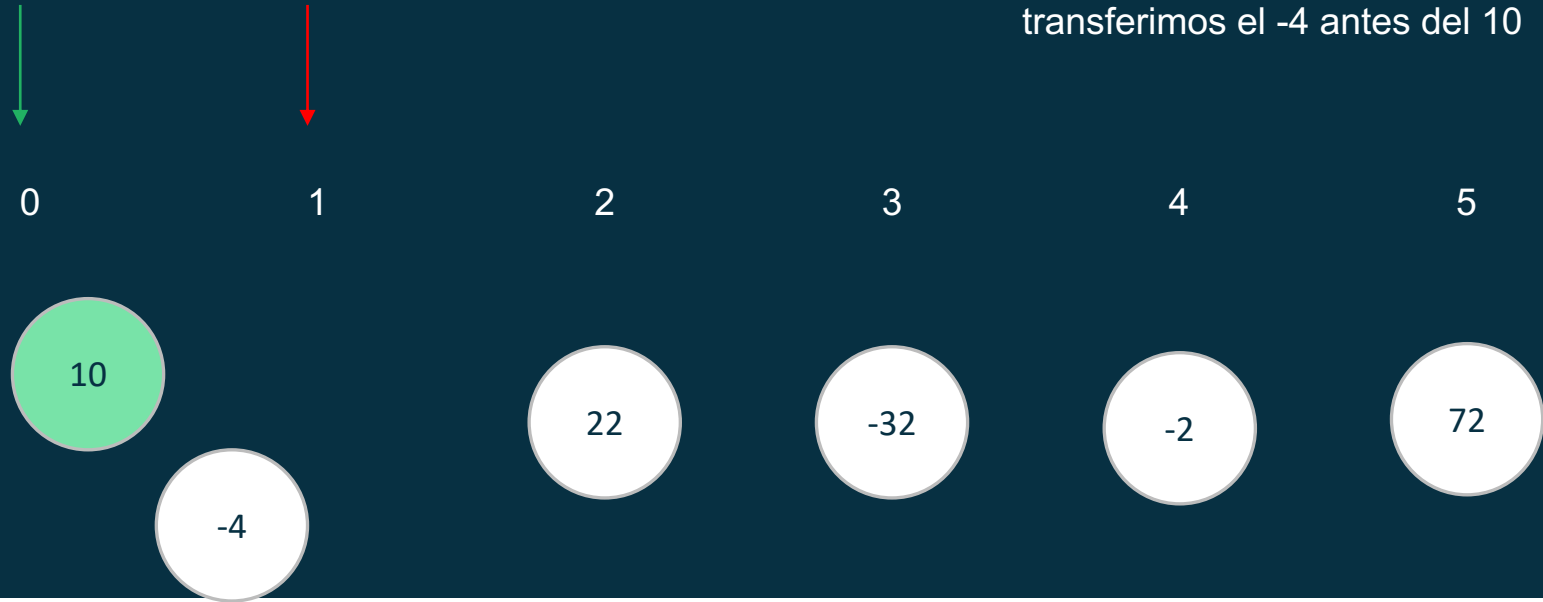


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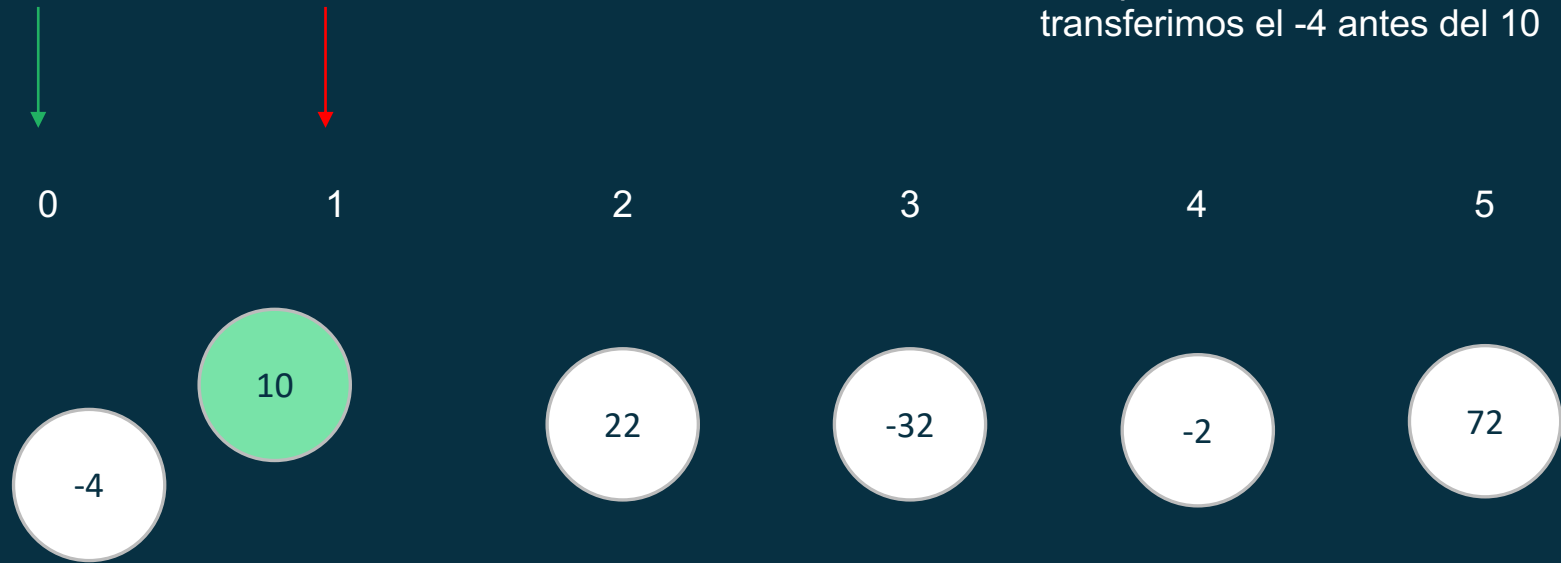
Comparamos $-4 < 10$. Es true, transferimos el -4 antes del 10



Insertion sort

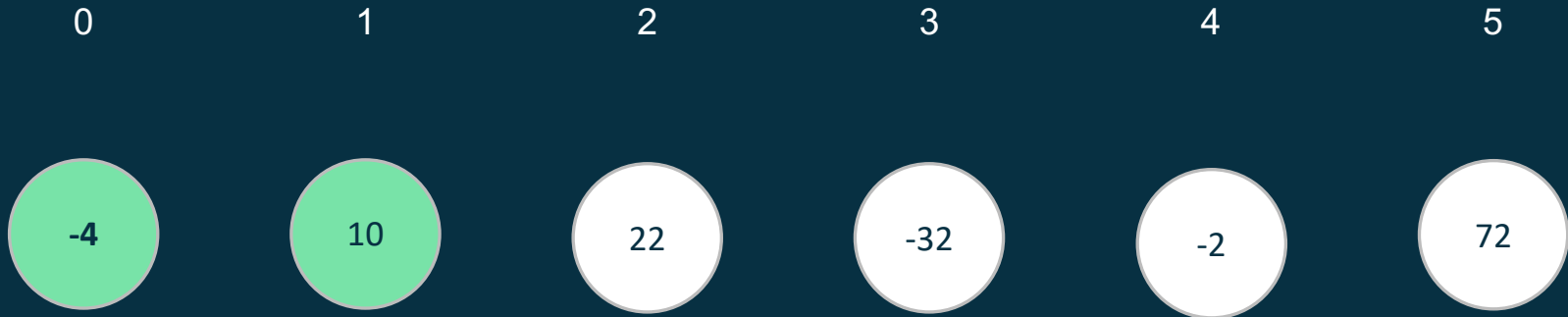


Insertion sort



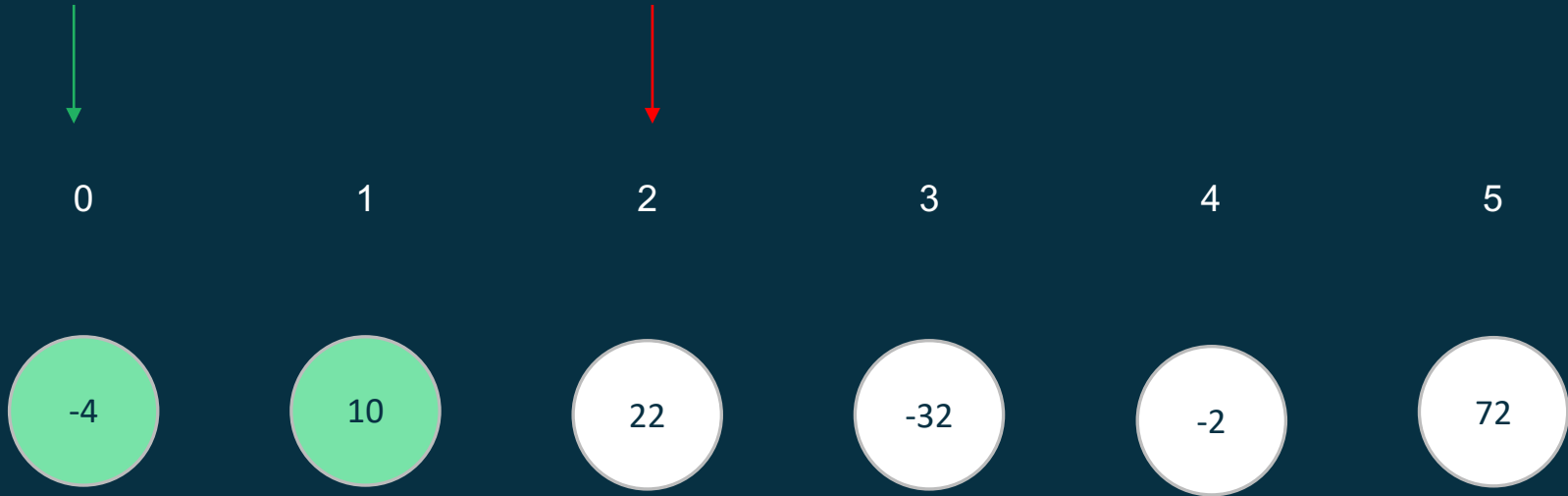
Insertion sort

Comparamos $-4 < 10$. Es true, transferimos el -4 antes del 10



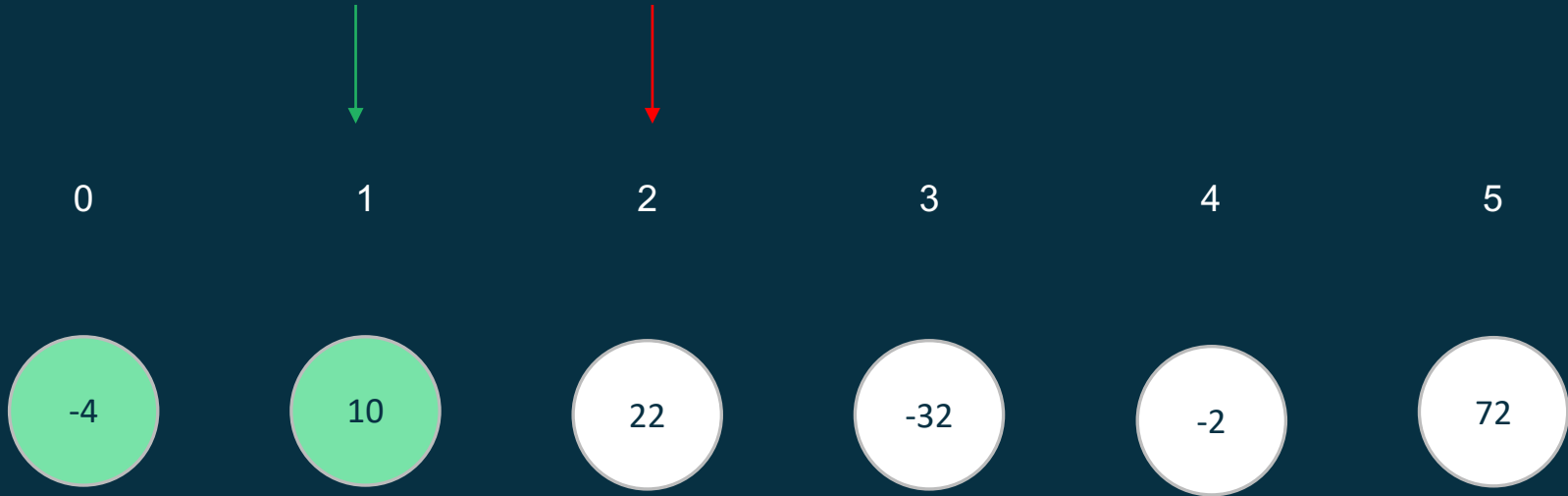
Insertion sort

Comparamos $22 < -4$. Es false



Insertion sort

Comparamos $22 < 10$. Es false

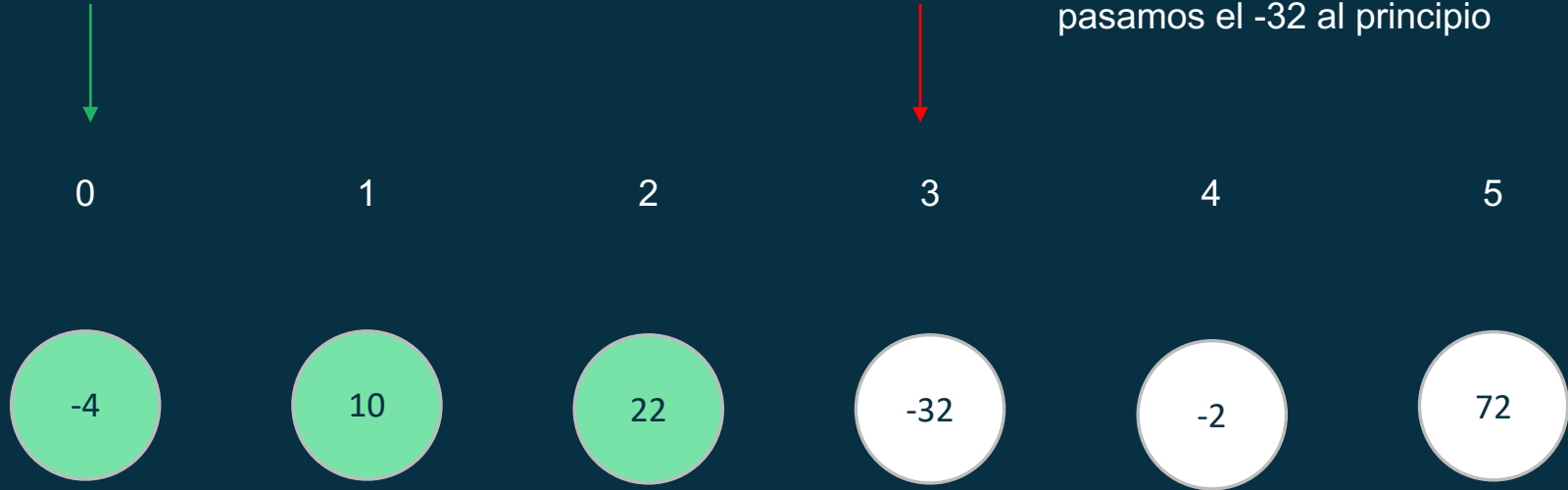


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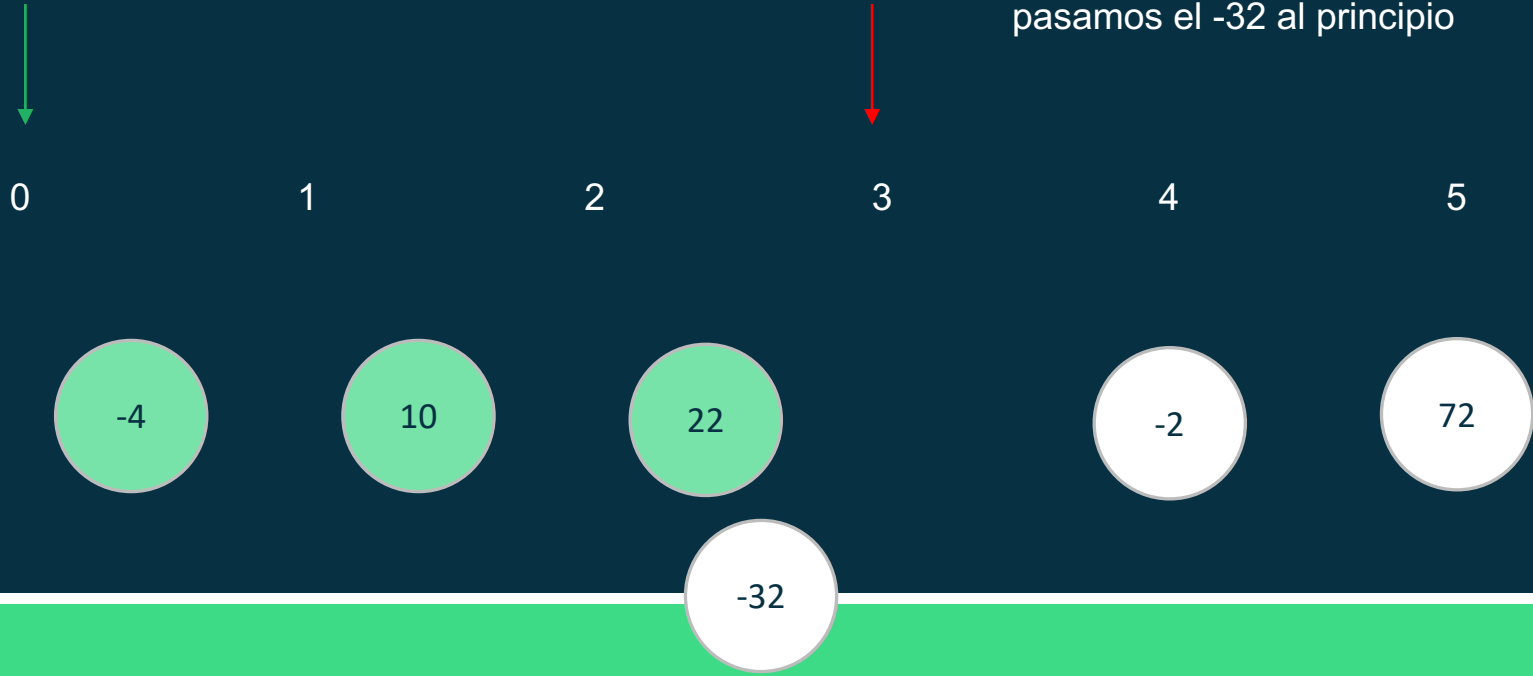
El 22 queda en su lugar



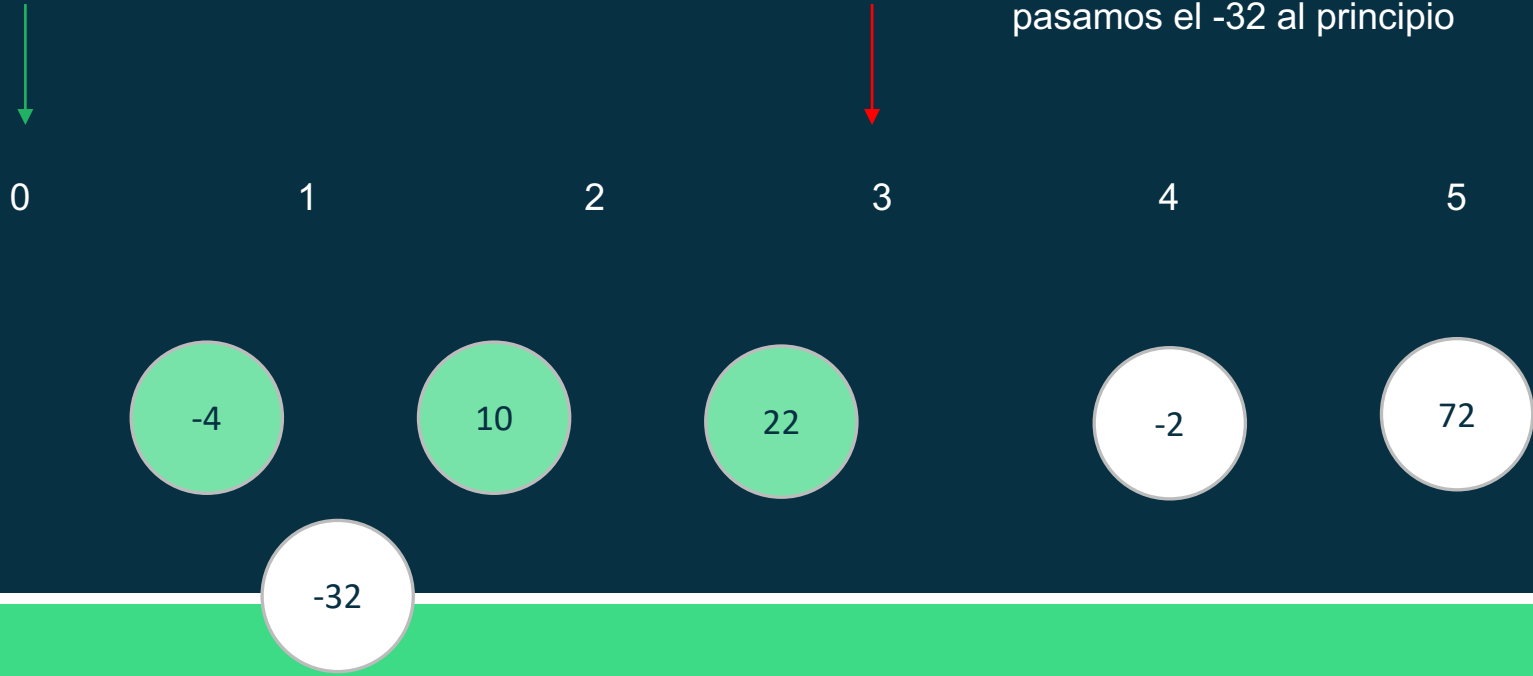
Insertion sort



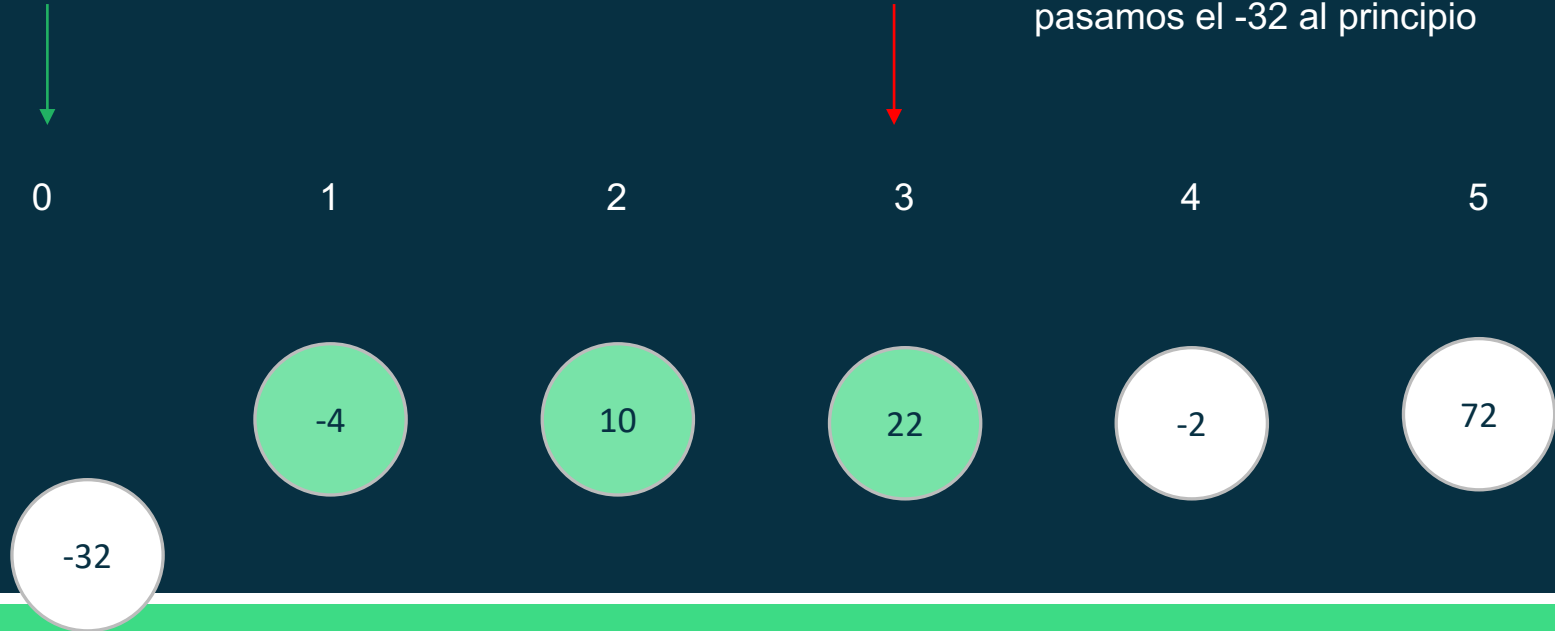
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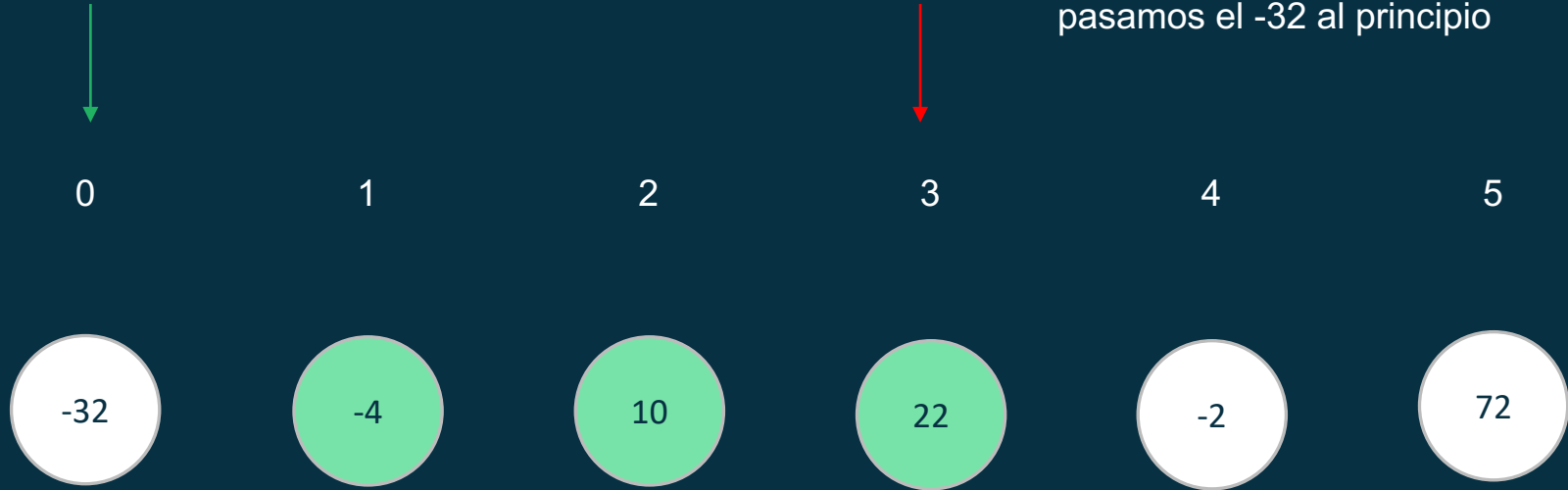
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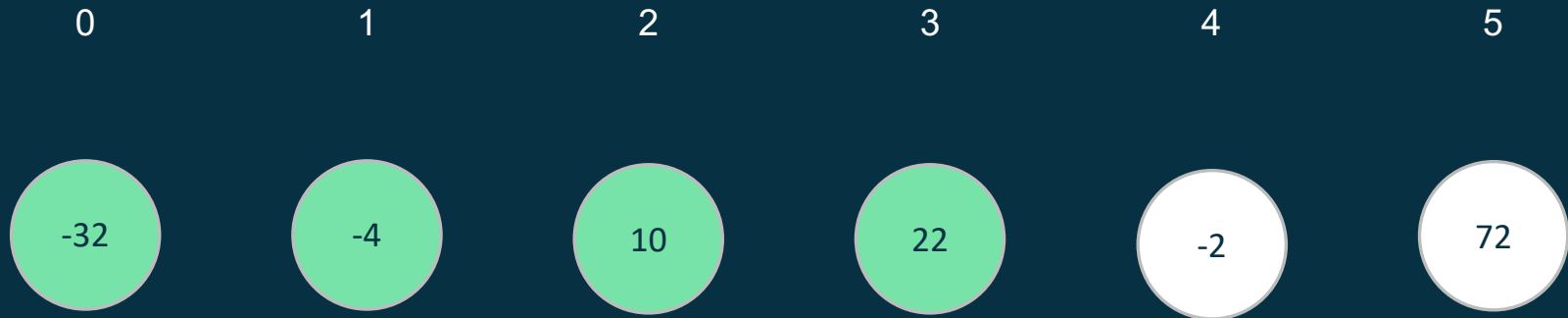


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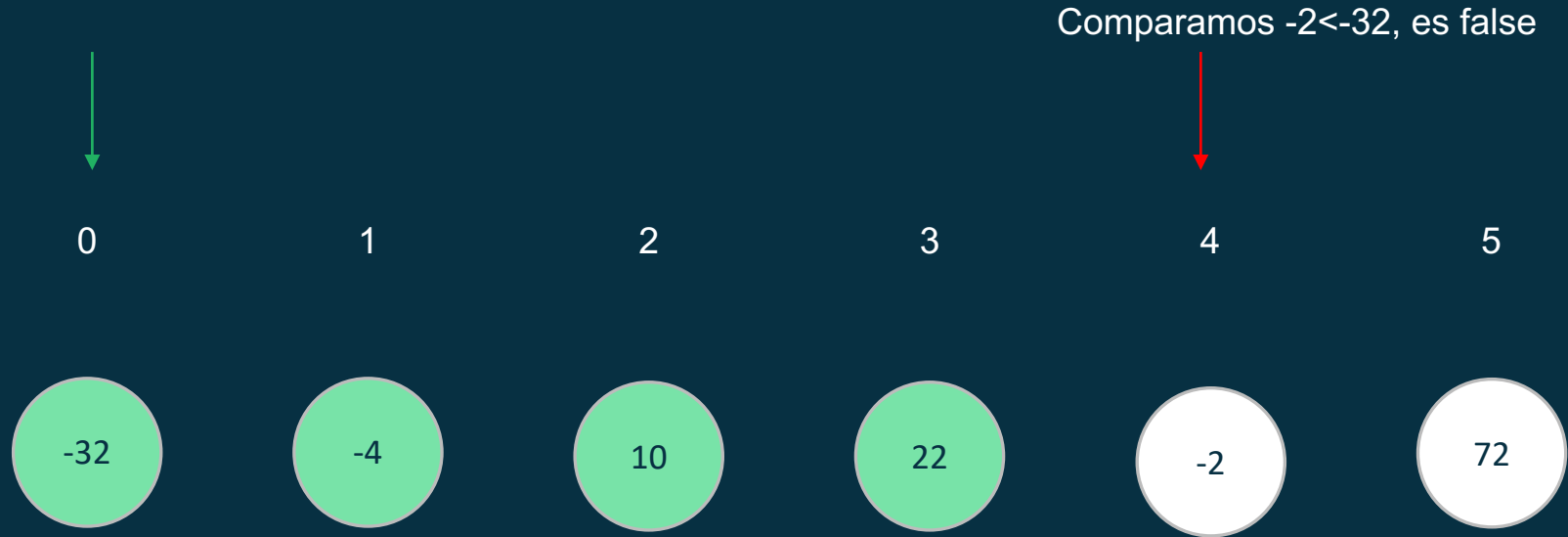


Insertion sort

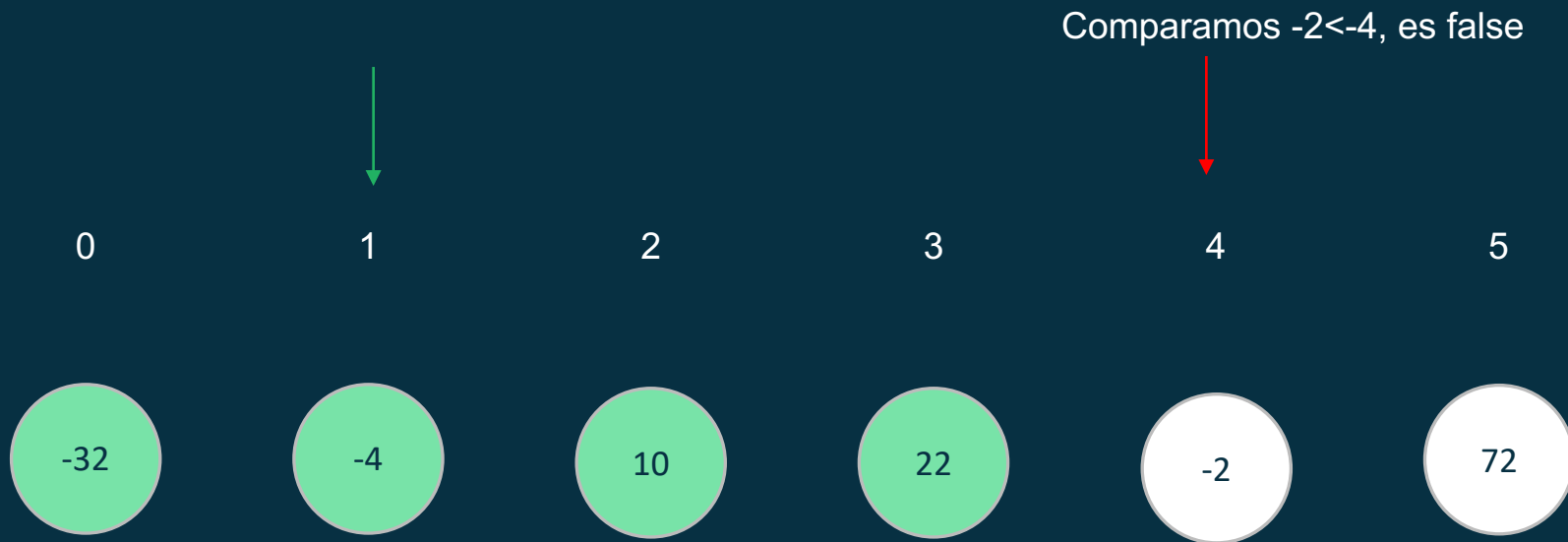
Comparamos $-32 < -4$. Es true,
pasamos el -32 al principio



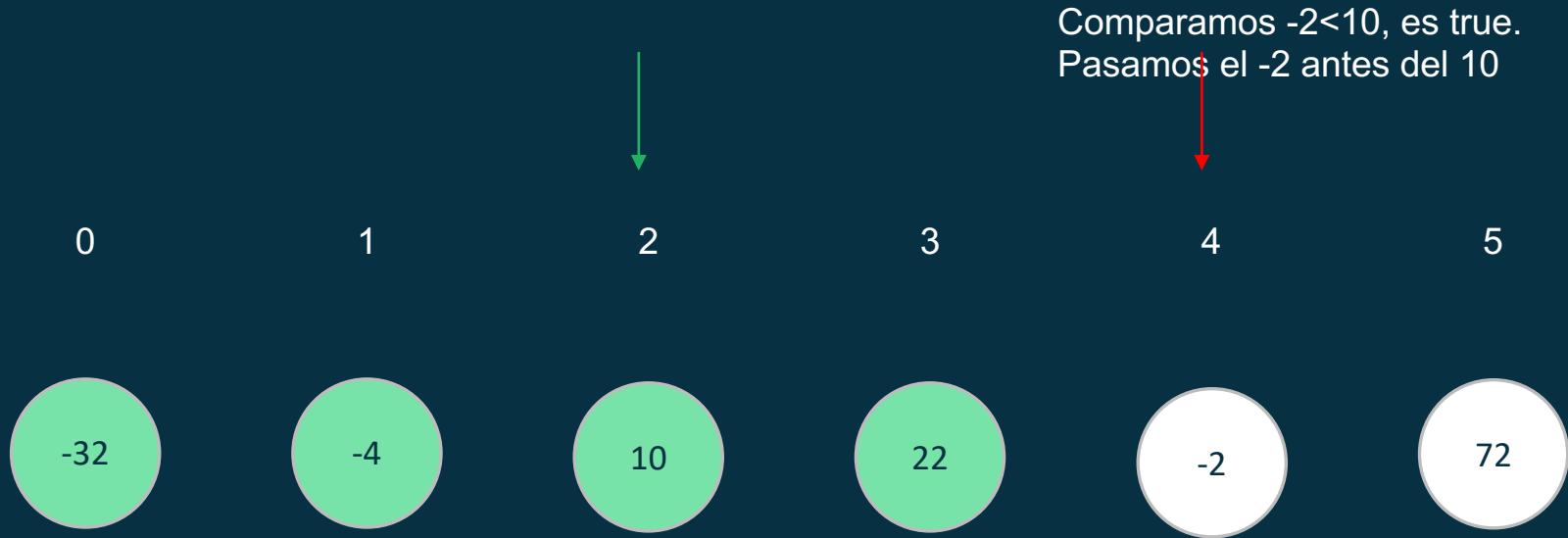
Insertion sort



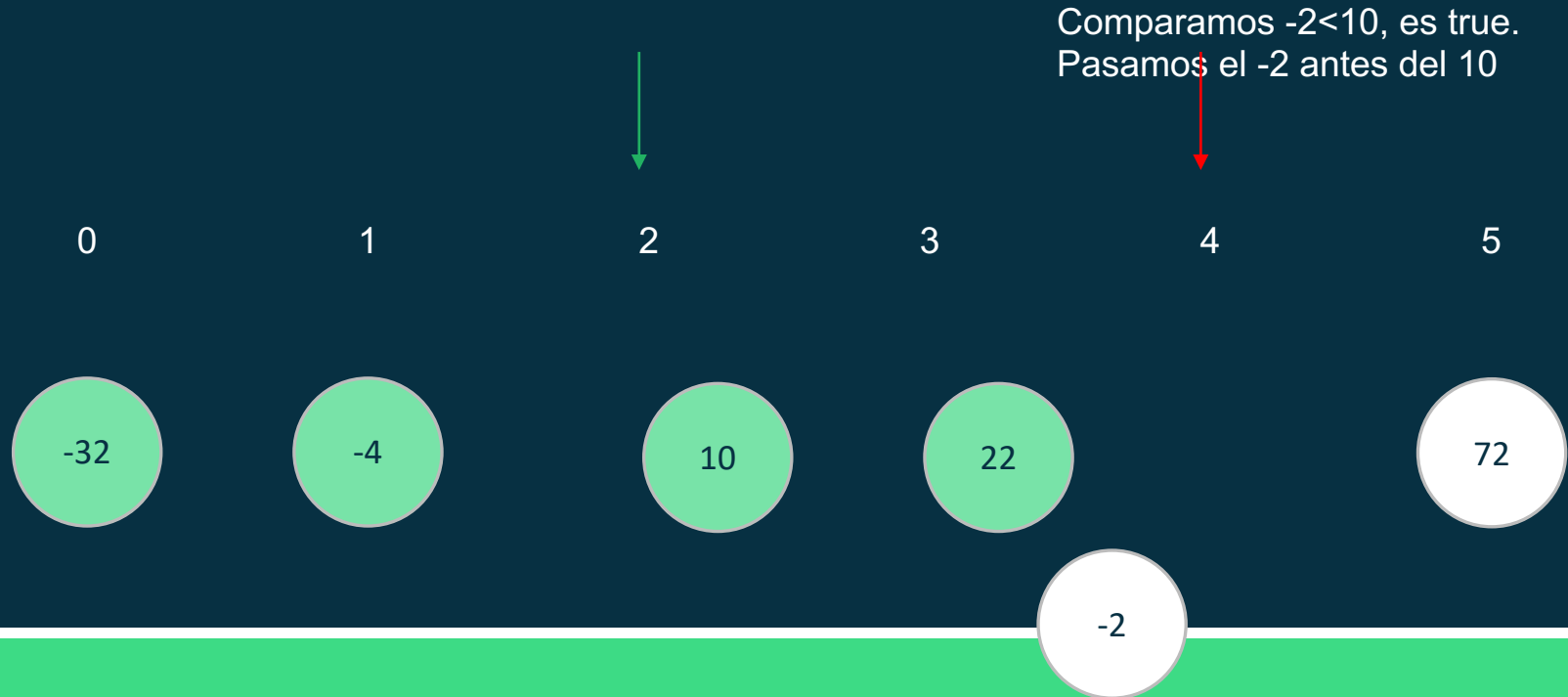
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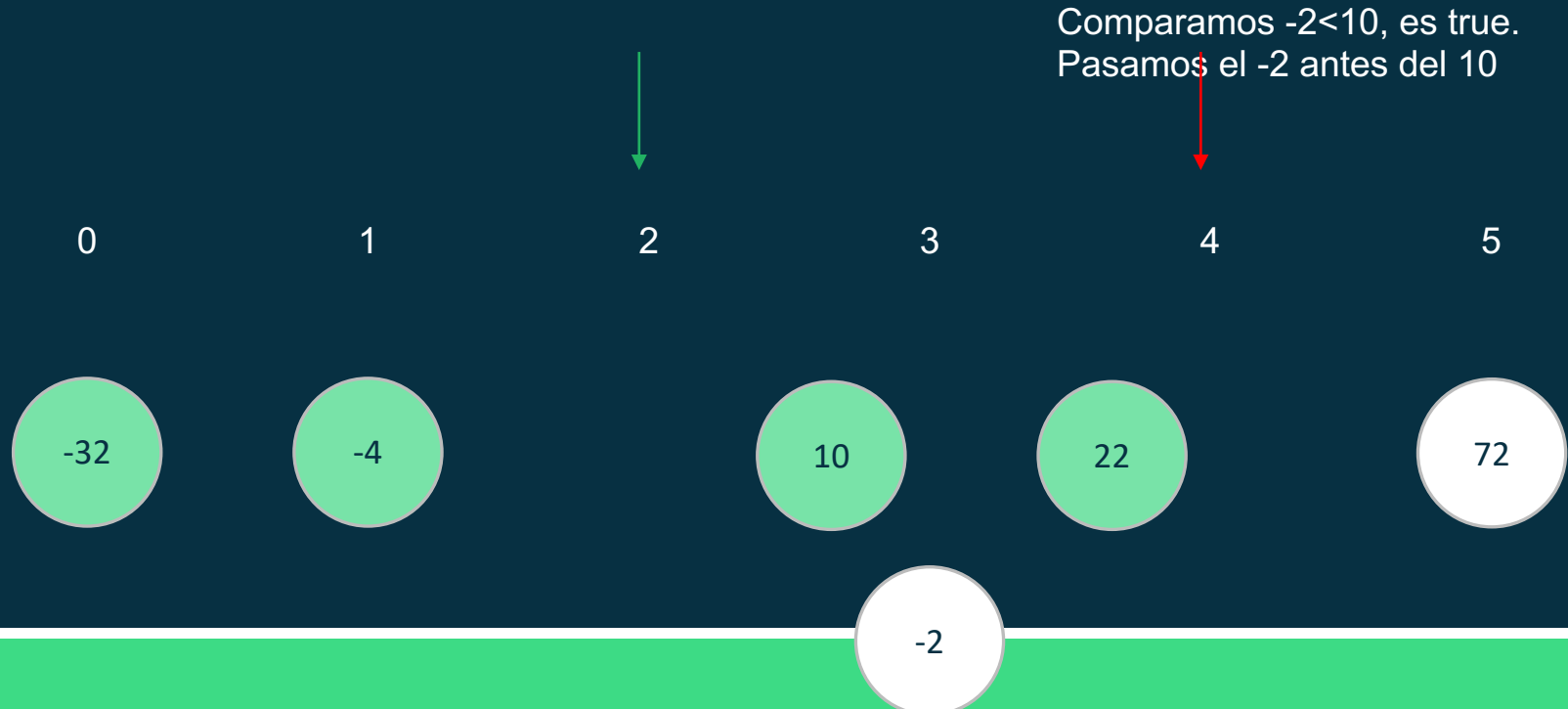
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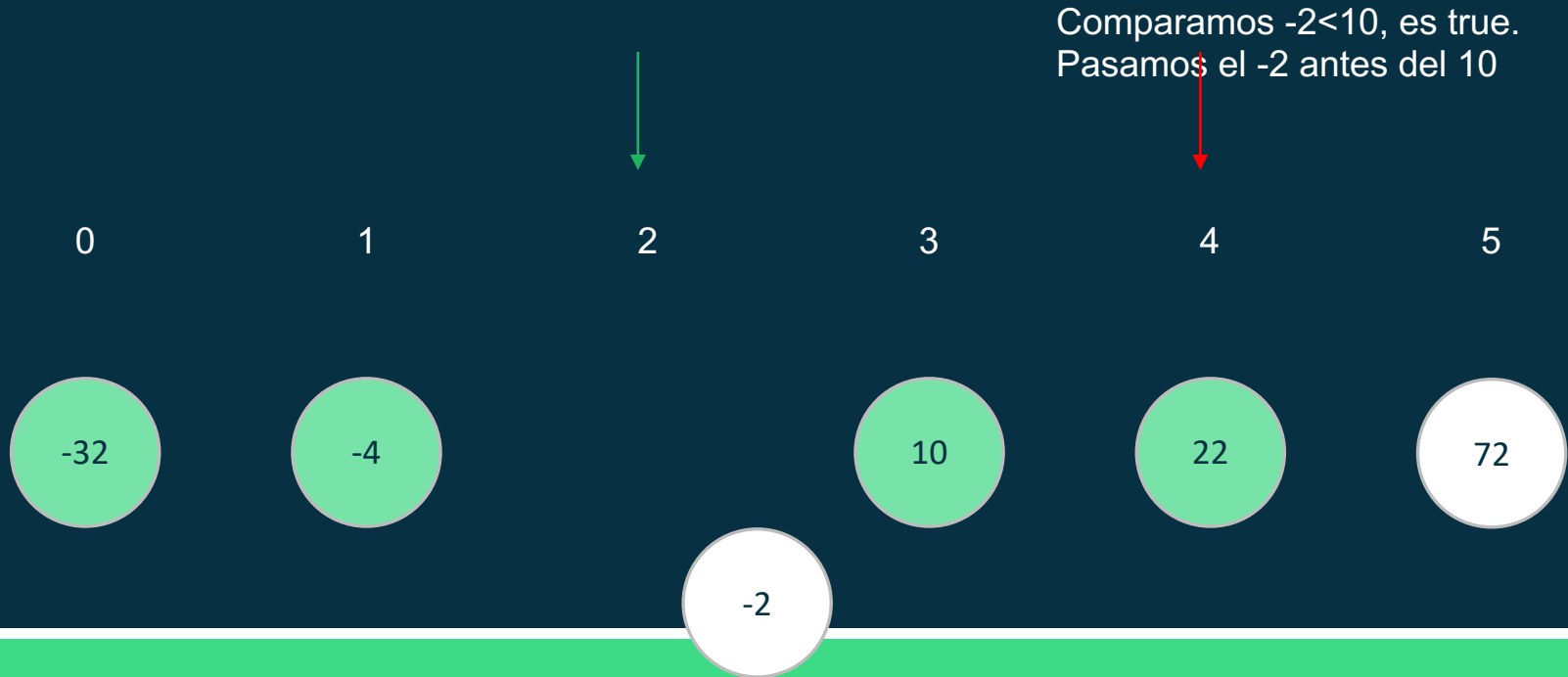
Insertion sort



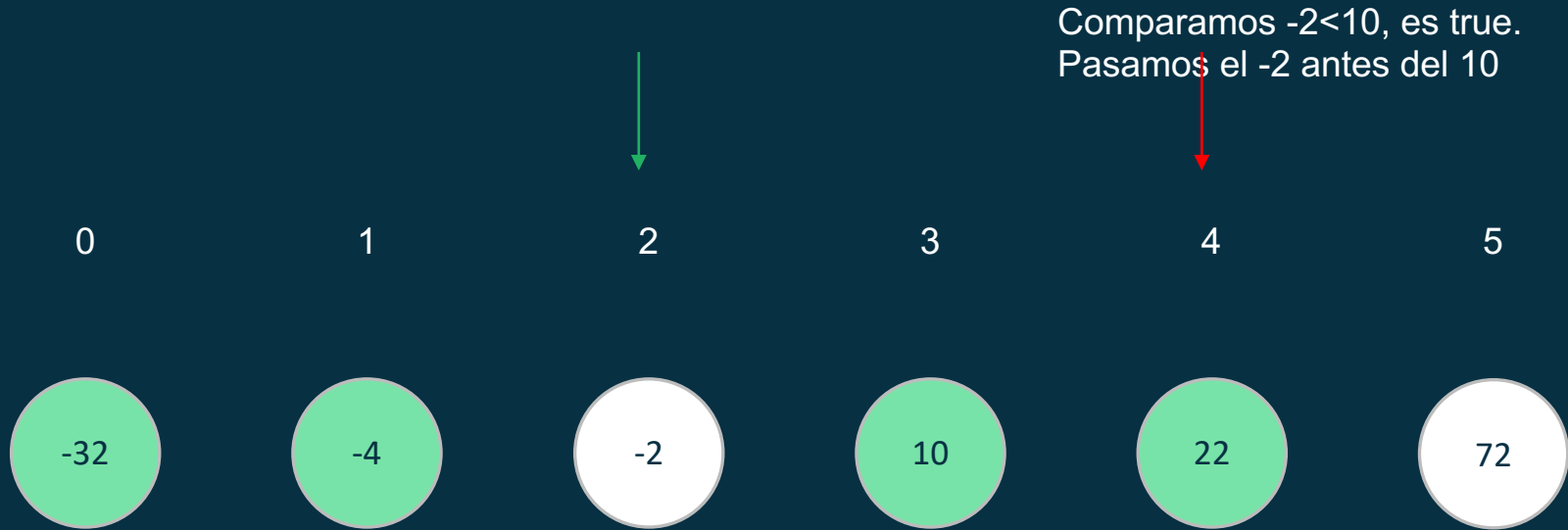
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Insertion sort

Comparamos $-2 < 10$, es true.
Pasamos el -2 antes del 10

0

1

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4

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-32

-4

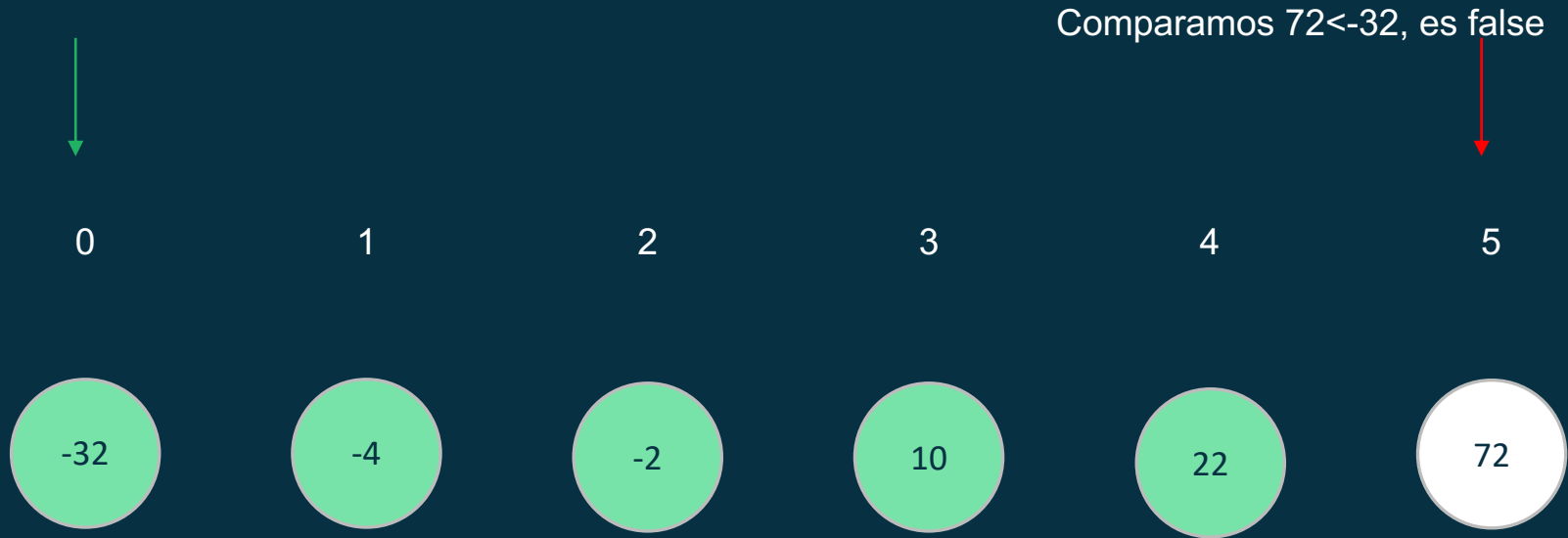
-2

10

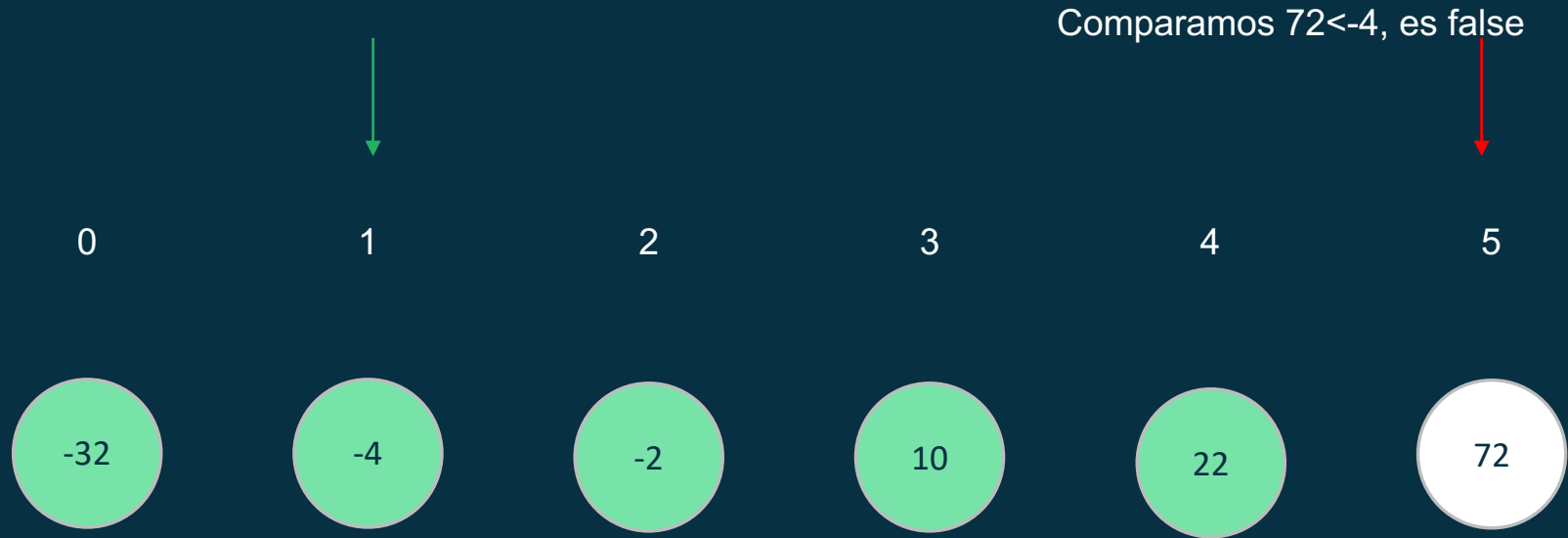
22

72

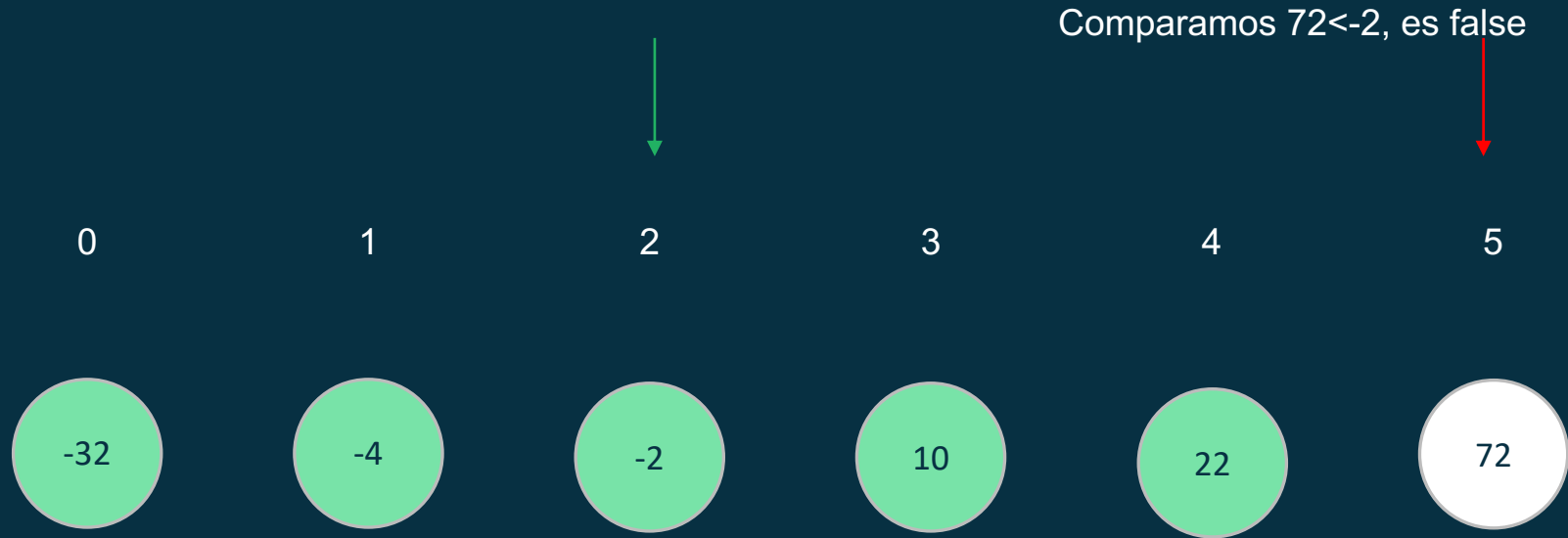
Insertion sort



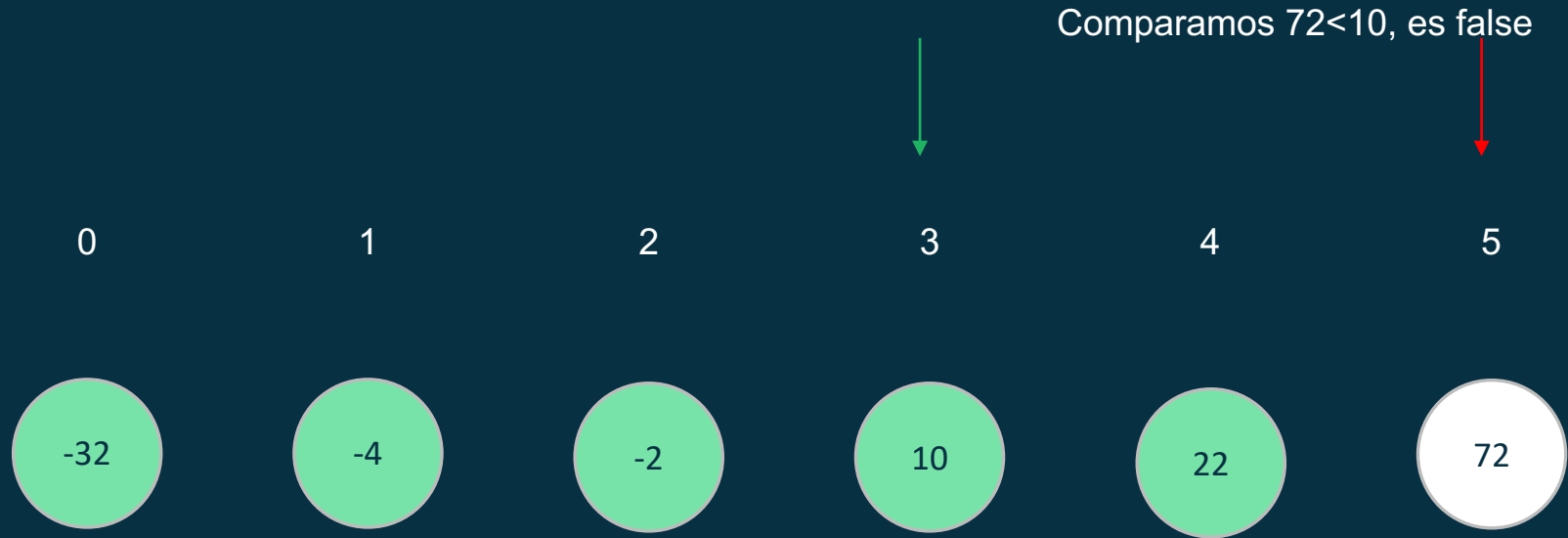
Insertion sort



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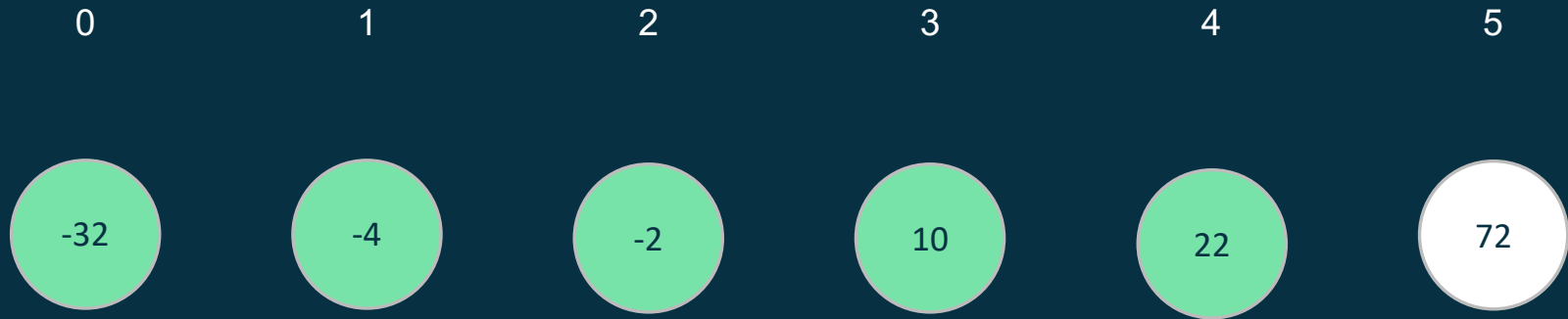


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Comparamos $72 < 22$, es false



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El 72 queda en el mismo lugar porque nunca se cumplió la condición

0

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4

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-32

-4

-2

10

22

72