Insertion Sort

First step ($j=2$)

Starting list: 42, 19, 32, 11, 8

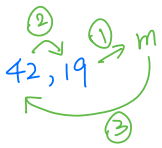
* $j=2$, $i=1$, $19 > 42$? No. Exit.

$m = 19$. (1)

for $k = 0$ to 0:

$k=0$, $a_2 = 42$ (2)

$a_1 = 19$ (3)



Next step ($j=3$)

Current list: 19, 42, 32, 11, 8

* $j=3$, $i=1$, $32 > 19$? Yes. $\Rightarrow$ $i=2$

$i=2$, $32 > 42$? No. Exit.

$m = 32$. (1)

for $k = 0$ to 0:

$k=0$, $a_3 = 42$ (2)

$a_2 = 32$ (3)

Next step ($j=4$)

Current list: 19, 32, 42, 11, 8

* $j=4$, $i=1$, $11 > 19$? No. Exit.

$m = 11$. (1)

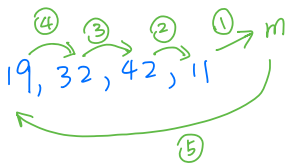
for $k = 0$ to 2:

$k=0$, $a_4 = 42$ (2)

$k=1$, $a_3 = 32$ (3)

$k=2$, $a_2 = 19$ (4)

$a_1 = 11$ (5)



Next step ($j=5$)

Current list: 11, 19, 32, 42, 8

* $j=5$, $i=1$, $8 > 11$? No. Exit.

$m = 8$. (1)

for $k = 0$ to 3:

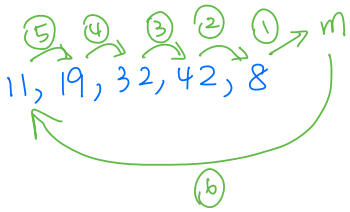
$k=0$, $a_5 = 42$ (2)

$k=1$, $a_4 = 32$ (3)

$k=2$, $a_3 = 19$ (4)

$k=3$, $a_2 = 11$ (5)

$a_1 = 8$. (6)



Final list: 8, 11, 19, 32, 42