

Bubble sort

RECORRIDO i = ciclo #i = n-1 = 7 j = subciclo	COMPARACIÓN	ITERACIÓN
<p>[4, 9, 8, 3, 1, 0, 2, 0]</p> <p>Iteración 1:</p> <p>i = 0</p> <p>j = 0</p> <p>[4, 9, 8, 3, 1, 0, 2, 0]</p> <p>j = 1</p> <p>[4, 9, 8, 3, 1, 0, 2, 0]</p> <p>j = 2</p> <p>[4, 8, 9, 3, 1, 0, 2, 0]</p> <p>j = 3</p> <p>[4, 8, 3, 9, 1, 0, 2, 0]</p> <p>j = 4</p> <p>[4, 8, 3, 1, 9, 0, 2, 0]</p> <p>j = 5</p> <p>[4, 8, 3, 1, 0, 9, 2, 0]</p> <p>j = 6</p> <p>[4, 8, 3, 1, 0, 2, 9, 0]</p>	<p>4 > 9 FALSE</p> <p>[Pass]</p> <p>9 > 8 TRUE</p> <p>[Intercambio]</p> <p>9 > 3 TRUE</p> <p>[Intercambio]</p> <p>9 > 1 TRUE</p> <p>[Intercambio]</p> <p>9 > 0 TRUE</p> <p>[Intercambio]</p> <p>9 > 2 TRUE</p> <p>[Intercambio]</p> <p>9 > 0 TRUE</p> <p>[Intercambio]</p>	<p>j = 7 iteraciones</p> <p>[4, 9, 8, 3, 1, 0, 2, 0]</p> <p>[4, 8, 9, 3, 1, 0, 2, 0]</p> <p>[4, 8, 3, 9, 1, 0, 2, 0]</p> <p>[4, 8, 3, 1, 9, 0, 2, 0]</p> <p>[4, 8, 3, 1, 0, 9, 2, 0]</p> <p>[4, 8, 3, 1, 0, 2, 9, 0]</p> <p>[4, 8, 3, 1, 0, 2, 0, 9]</p>
<p>Iteración 2:</p> <p>i = 1</p> <p>j = 0</p> <p>[4, 8, 3, 1, 0, 2, 0, 9]</p> <p>j = 1</p> <p>[4, 8, 3, 1, 0, 2, 0, 9]</p> <p>j = 2</p> <p>[4, 3, 8, 1, 0, 2, 0, 9]</p> <p>j = 3</p> <p>[4, 3, 1, 8, 0, 2, 0, 9]</p> <p>j = 4</p> <p>[4, 3, 1, 0, 8, 2, 0, 9]</p> <p>j = 5</p> <p>[4, 3, 1, 0, 2, 8, 0, 9]</p>	<p>4 > 8 FALSE</p> <p>[Pass]</p> <p>8 > 3 TRUE</p> <p>[Intercambio]</p> <p>8 > 1 TRUE</p> <p>[Intercambio]</p> <p>8 > 0 TRUE</p> <p>[Intercambio]</p> <p>8 > 2 TRUE</p> <p>[Intercambio]</p> <p>8 > 0 TRUE</p> <p>[Intercambio]</p>	<p>j = 6 iteraciones</p> <p>[4, 8, 3, 1, 0, 2, 0, 9]</p> <p>[4, 3, 8, 1, 0, 2, 0, 9]</p> <p>[4, 3, 1, 8, 0, 2, 0, 9]</p> <p>[4, 3, 1, 0, 8, 2, 0, 9]</p> <p>[4, 3, 1, 0, 2, 8, 0, 9]</p> <p>[4, 3, 1, 0, 2, 0, 8, 9]</p>
<p>Iteración 3:</p> <p>i = 2</p> <p>j = 0</p> <p>[4, 3, 1, 0, 2, 0, 8, 9]</p> <p>j = 1</p> <p>[3, 4, 1, 0, 2, 0, 8, 9]</p> <p>j = 2</p> <p>[3, 1, 4, 0, 2, 0, 8, 9]</p> <p>j = 3</p> <p>[3, 1, 0, 4, 2, 0, 8, 9]</p> <p>j = 4</p> <p>[3, 1, 0, 2, 4, 0, 8, 9]</p>	<p>4 > 3 TRUE</p> <p>[Intercambio]</p> <p>4 > 1 TRUE</p> <p>[Intercambio]</p> <p>4 > 0 TRUE</p> <p>[Intercambio]</p> <p>4 > 2 TRUE</p> <p>[Intercambio]</p> <p>4 > 0 TRUE</p> <p>[Intercambio]</p>	<p>j = 5 iteraciones</p> <p>[3, 4, 1, 0, 2, 0, 8, 9]</p> <p>[3, 1, 4, 0, 2, 0, 8, 9]</p> <p>[3, 1, 0, 4, 2, 0, 8, 9]</p> <p>[3, 1, 0, 2, 4, 0, 8, 9]</p> <p>[3, 1, 0, 2, 0, 4, 8, 9]</p>

<p>Iteración 4:</p> <p>i = 3</p> <p>j = 0 [3, 1, 0, 2, 0, 4, 8, 9]</p> <p>j = 1 [1, 3, 0, 2, 0, 4, 8, 9]</p> <p>j = 2 [1, 0, 3, 2, 0, 4, 8, 9]</p> <p>j = 3 [1, 0, 2, 3, 0, 4, 8, 9]</p>	<p>3 > 1 TRUE [Intercambio]</p> <p>3 > 0 TRUE [Intercambio]</p> <p>3 > 2 TRUE [Intercambio]</p> <p>3 > 0 TRUE [Intercambio]</p>	<p>j = 4 iteraciones</p> <p>[1, 3, 0, 2, 0, 4, 8, 9]</p> <p>[1, 0, 3, 2, 0, 4, 8, 9]</p> <p>[1, 0, 2, 3, 0, 4, 8, 9]</p> <p>[1, 0, 2, 0, 3, 4, 8, 9]</p>
<p>Iteración 5:</p> <p>i = 4</p> <p>j = 0 [1, 0, 2, 0, 3, 4, 8, 9]</p> <p>j = 1 [0, 1, 2, 0, 3, 4, 8, 9]</p> <p>j = 2 [0, 1, 2, 0, 3, 4, 8, 9]</p>	<p>1 > 0 TRUE [Intercambio]</p> <p>1 > 2 FALSE [Pass]</p> <p>2 > 0 TRUE [Intercambio]</p>	<p>j = 3 iteraciones</p> <p>[0, 1, 2, 0, 3, 4, 8, 9]</p> <p>[0, 1, 2, 0, 3, 4, 8, 9]</p> <p>[0, 1, 0, 2, 3, 4, 8, 9]</p>
<p>Iteración 6:</p> <p>i = 5</p> <p>j = 0 [0, 1, 0, 2, 3, 4, 8, 9]</p> <p>j = 1 [0, 1, 0, 2, 3, 4, 8, 9]</p>	<p>0 > 1 FALSE [Pass]</p> <p>1 > 0 TRUE [Intercambio]</p>	<p>j = 2 iteraciones</p> <p>[0, 1, 0, 2, 3, 4, 8, 9]</p> <p>[0, 0, 1, 2, 3, 4, 8, 9]</p>
<p>Iteración 7:</p> <p>i = 6</p> <p>j = 0 [0, 0, 1, 2, 3, 4, 8, 9]</p>	<p>0 > 0 FALSE [Pass]</p>	<p>j = 1 iteración</p> <p>[0, 0, 1, 2, 3, 4, 8, 9]</p>