Consideraciones

TAREA ALGORITMOS DE ORDENAMIENTO   Lunes 1 marzo

1. Creación de gráficas

https://www.codejava.net/java-se/graphics/using-jfreechart-to-draw-xy-line-chart-with-xydataset

2. Manejo de colores

https://docs.oracle.com/javase/7/docs/api/java/awt/Color.html

3. Colores RGB

https://www.rapidtables.com/web/color/RGB_Color.html

4. Comparaciones

https://coderanch.com/t/645712/java/Count-comparisons-assignments-sorting-algorithms

https://stackoverflow.com/questions/15541963/selectionsort-and-bubblesort-how-to-count-number-of-comparisons-and-number-swa

Aleatorio - tiempo (ms)						
	100	**500**	**1,500**	**4,000**	**8,000**	**12,214**
Select	.35	3.06	10.93	64.71	172.86	364.54
Insert	.34	2.16	7.42	36.06	119.09	289.61
Bubble	.48	2.81	10.40	91.98	360.92	802.60
Quick	.26	.32	1.38	7.97	8.16	8.92
Merge	.18	1.32	4.85	25.87	44.68	69.70

Orden - tiempo (ms)						
	100	**500**	**1,500**	**4,000**	**8,000**	**12,214**
Select	.30	3.29	11.93	79.55	158.47	277.24
Insert	.01	.06	.17	.67	.95	1.31
Bubble	.36	1.48	9.83	85.53	200.83	346.23
Quick	.24	.52	3.33	11.69	14.35	15.59
Merge	.12	1.16	5.76	22.67	46.31	67.30

Inverso - tiempo (ms)						
	100	**500**	**1,500**	**4,000**	**8,000**	**12,214**
Select	.34	5.66	8.56	81.05	187.67	489.21
Insert	.44	3.35	8.81	78.36	277.67	628.81
Bubble	.63	6.29	9.42	76.69	271.12	683.57
Quick	.23	5.35	13.34	100.64	446.33	942.16
Merge	.19	1.28	6.85	18.67	36.95	65.21

Aleatorio - pasos						
	100	**500**	**1,500**	**4,000**	**8,000**	**12,214**
Select	4950	124750	1124250	7998000	31996000	74584791
Insert	2697	62291	559397	4045830	16140663	37759361
Bubble	4950	124750	1124250	7998000	31996000	74584791
Quick	630	5038	17468	53661	120372	188876
Merge	543	3869	13996	42825	93672	150614

Orden - pasos						
	100	**500**	**1,500**	**4,000**	**8,000**	**12,214**
Select	4950	124750	1124250	7998000	31996000	74584791
Insert	99	499	1499	3999	7999	12213
Bubble	4950	124750	1124250	7998000	31996000	74584791
Quick	1155	12849	64370	274279	761586	1417026
Merge	356	2272	8288	24176	52352	85651

Inverso - pasos						
	100	**500**	**1,500**	**4,000**	**8,000**	**12,214**
Select	4950	124750	1124250	7998000	31996000	74584791
Insert	4950	124750	1124250	7998000	31996000	74584791
Bubble	4950	124750	1124250	7998000	31996000	74584791
Quick	4950	124750	1124250	7998000	31996000	74584791
Merge	316	2216	7664	23728	51456	81175