

Algorithmics	Student information	Date	Number of session
	UO: 300218		
	Surname: Berdayes G.Pumarino		
	Name: Victor		

Activity 1. Bubble algorithm

$N(10^4)$	t ordered	t reverse	t random
1	325	1459	1018
2	1223	5873	4112
4	4928	23406	16538
8	20033	94558	67298
16	81113	OoT	OoT

Activity 2. Selection algorithm

$N(10^4)$	t ordered	t reverse	t random
1	326	295	312
2	1282	1178	1266
4	5162	4656	5077
8	20117	18424	20258
16	79879	73450	80147

Activity 3. Insertion algorithm

$N(10^4)$	t ordered	t reverse	t random
1	LoR	LoR	LoR
2	LoR	LoR	LoR
4	LoR	LoR	LoR
8	LoR	LoR	LoR
16	LoR	LoR	60

Algorithmics	Student information	Date	Number of session
	UO: 300218		
	Surname: Berdayes G.Pumarino		
	Name: Victor		

32	LoR	50	121
64	89	102	259
128	179	211	565
256	374	432	1161
512	781	873	2568
1024	1620	1803	5976
2048	3322	3661	14756
4096	6703	7501	41121
8192	13795	15277	OoT

Activity 4. Quicksort algorithm

$N(10^4)$	t ordered	t reverse	t random
25	LoR	LoR	101
50	62	71	192
100	127	145	436
200	255	293	929
400	532	618	1932
800	1099	1248	4326
1600	2313	2546	10523

Algorithmics	Student information	Date	Number of session
	UO: 300218		
	Surname: Berdayes G.Pumarino		
	Name: Victor		

Activity 5. Quicksort + Insertion algorithm

n	t random
Quicksort	10442
Quicksort + Insertion (k=5)	10349
Quicksort + Insertion (k=10)	10317
Quicksort + Insertion (k=20)	10275
Quicksort + Insertion (k=30)	10219
Quicksort + Insertion (k=50)	9991
Quicksort + Insertion (k=100)	9218
Quicksort + Insertion (k=200)	7717
Quicksort + Insertion (k=500)	10607
Quicksort + Insertion (k=1000)	18558