

Ejercicio 3.1. Gráficas de Control X y R.

De la siguiente tabla de valores, elabore una *Gráfica de Control X-R*, así como también *Gráficas X* y *R* respectivamente.

Nota: No olvide buscar la Tabla de Constantes para Gráficos de Control.

Subgrupo	X1	X2	X3	X4	X5
1	499.5497	498.0835	500.3664	501.9147	501.7975
2	502.5997	496.7246	499.6487	501.6425	498.3699
3	498.9647	497.4644	497.2296	498.5336	498.8397
4	496.8231	499.1481	499.3939	500.2023	499.4518
5	499.5095	499.4446	502.014	499.8721	499.7208
6	499.2302	502.9583	501.2985	503.5635	499.0176
7	502.4922	497.5814	500.8084	501.3533	502.8784
8	499.8732	499.2143	501.0127	499.428	501.1364
9	497.8337	498.7291	497.7176	499.4557	499.9513
10	500.0422	499.5159	503.2918	497.3863	498.8953
11	496.1336	502.1715	498.0804	499.0196	501.1366
12	500.7001	501.3119	500.8936	497.9422	498.3264
13	501.041	500.484	498.5902	499.6386	500.1973
14	500.8367	500.2081	498.6336	502.8273	500.7308
15	500.1084	501.2448	501.293	499.0452	498.6152
16	501.6668	498.1982	497.6617	501.067	500.9576
17	503.3085	502.1656	501.9559	500.1694	500.0029
18	500.6806	499.9617	498.418	497.3378	501.2425
19	500.6663	500.9269	500.3202	498.4596	501.8573
20	499.5332	498.7401	498.7683	499.3565	499.32
21	499.2143	501.2741	500.7698	499.0875	501.9575
22	497.3586	500.8259	499.8256	500.0626	499.0189
23	499.1756	501.274	501.2046	500.6846	501.0371
24	502.4459	500.4559	500.8835	502.7793	499.4967
25	501.5574	500.2153	501.7116	499.7776	498.8303
26	501.614	499.1273	500.8009	500.8187	499.5253
27	499.3389	497.951	502.9894	499.1503	500.1292
28	499.6486	504.2531	501.878	501.3214	501.9982
29	500.2818	500.8129	499.6256	498.1684	501.9
30	499.5667	498.0412	501.1464	501.1764	500.6422
31	500.6058	499.0279	501.0846	500.7879	501.6126
32	495.8458	500.6957	502.2007	497.4161	500.0682
33	502.031	502.5323	500.358	500.2176	502.7818
34	499.9361	499.0147	501.3611	499.9851	501.5588
35	500.6521	502.18	499.8182	498.5574	497.6921
36	496.1524	500.1548	500.4488	499.9733	500.3007
37	500.3873	502.2143	500.1279	498.3249	497.9151
38	500.2872	501.4266	497.7368	499.0851	500.7853
39	499.6749	499.4846	499.7548	499.3405	498.7961
40	500.9672	500.0882	501.8952	500.3933	500.0857