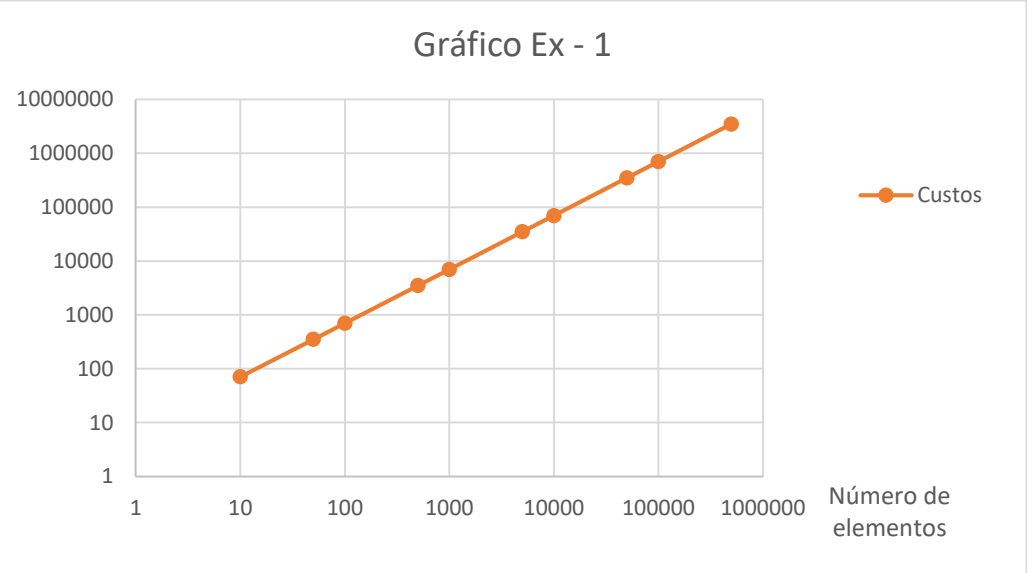
Exercício 01

Detalhado:

$$(n+1)*\sigma = + n*\sigma + + 3*n*\sigma rec + n*\sigma. + n*\sigma arm$$

Simplificado:

N	custo
10	71
50	351
100	701
500	3501
1000	7001
5000	35001
10000	70001
50000	350001
100000	700001
500000	3500001



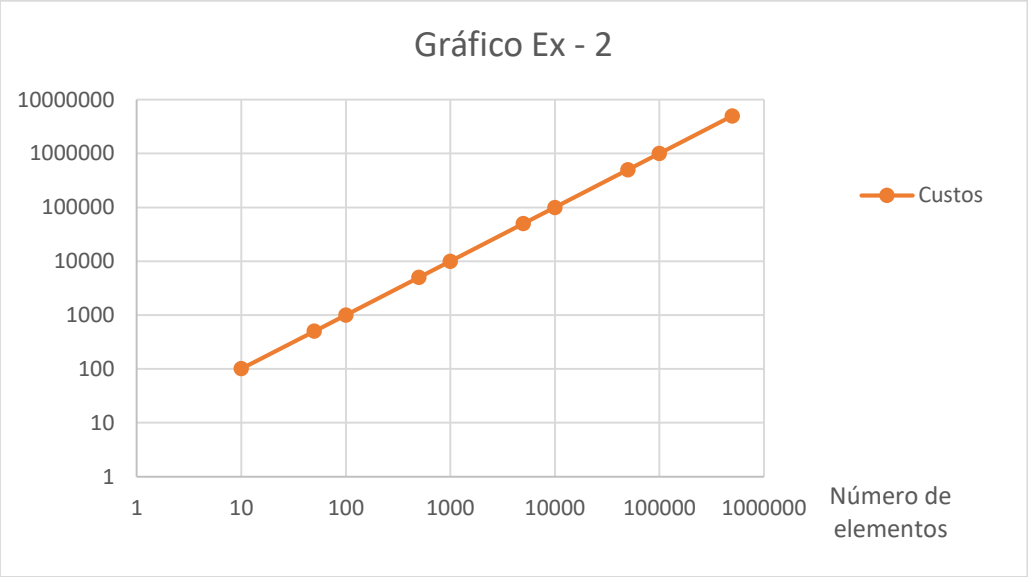
Exercício 02

Detalhado:

$$(n+1)*\sigma = + n*\sigma + + 5*n*\sigma rec + 2*n*\sigma. + n*\sigma arm$$

Simplificado:

N	custo
10	101
50	501
100	1001
500	5001
1000	10001
5000	50001
10000	100001
50000	500001
100000	1000001
500000	5000001



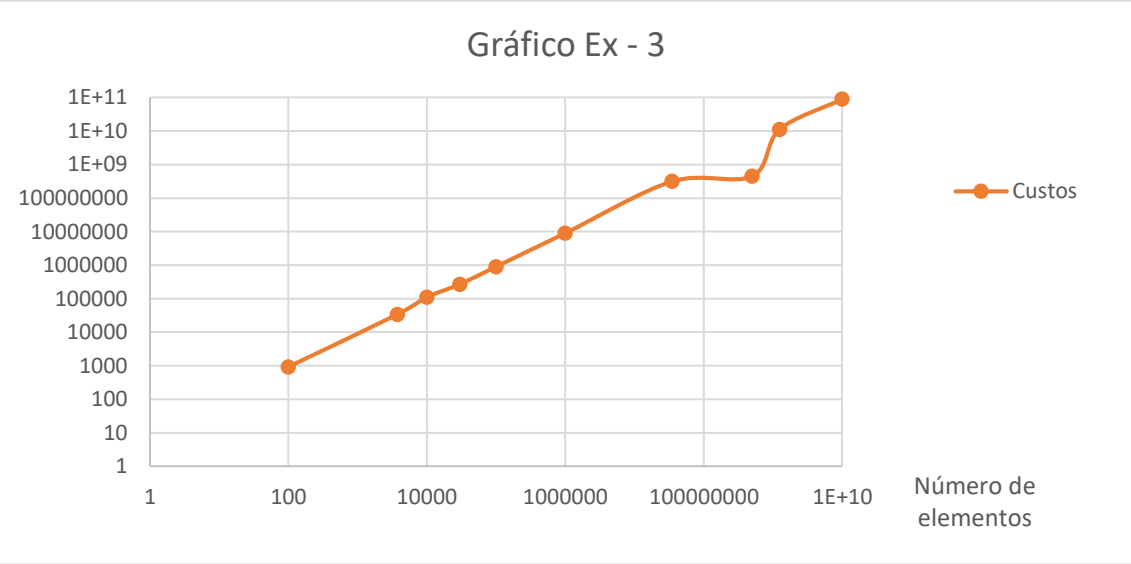
Exercício 03

Detalhado:

$$[lin*(col+1) + 2]*\sigma = + [lin*(col+1)]*\sigma + + 4*col*lin*\sigma rec + 2*col*lin*\sigma. + col*lin*\sigma arm$$

Simplificado:

matriz	n elementos	custo
10x10	100	922
50x75	3750	33852
10000x1	10000	110002
100x300	30000	270202
500x200	100000	901002
1000x1000	1000000	9002002
5000x7000	35000000	315010002
50000x1000	500000000	450100002
50000x25000	1250000000	11250100002
100000x100000	10000000000	90000200002



Exercício 04

Detalhado:

$$[4*n^2 + 3*n + 6]*\sigma = + [3*n^2 + 3*n]*\sigma + + 18*n^2*\sigma rec + 10*n^2*\sigma. + 2*n^2*\sigma arm$$

Simplificado:

N	custo
10	3766
50	92806
100	370606
500	9253006
1000	37006006
5000	925030006
10000	3700060006
50000	92500300006
100000	3,70001E+11
500000	9,25E+12