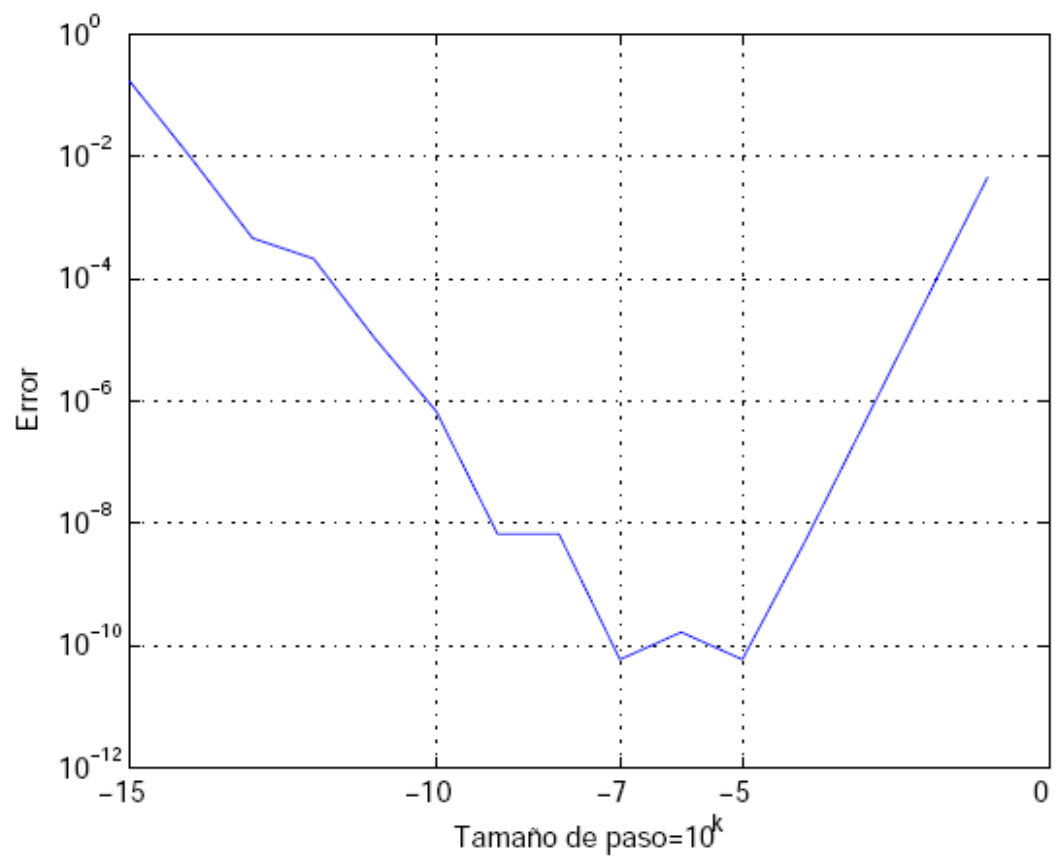


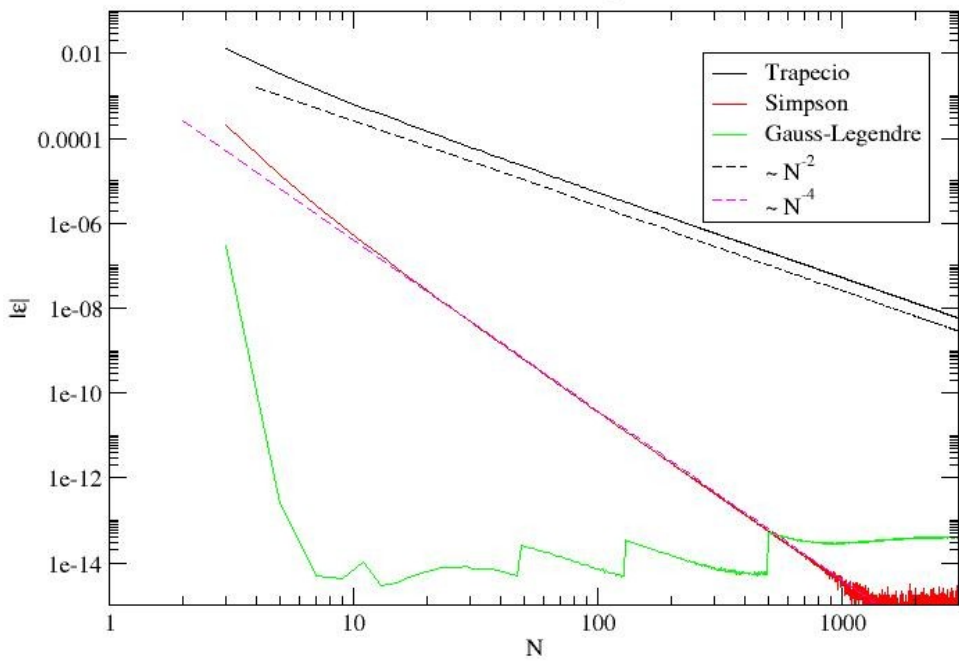
Problema 1:



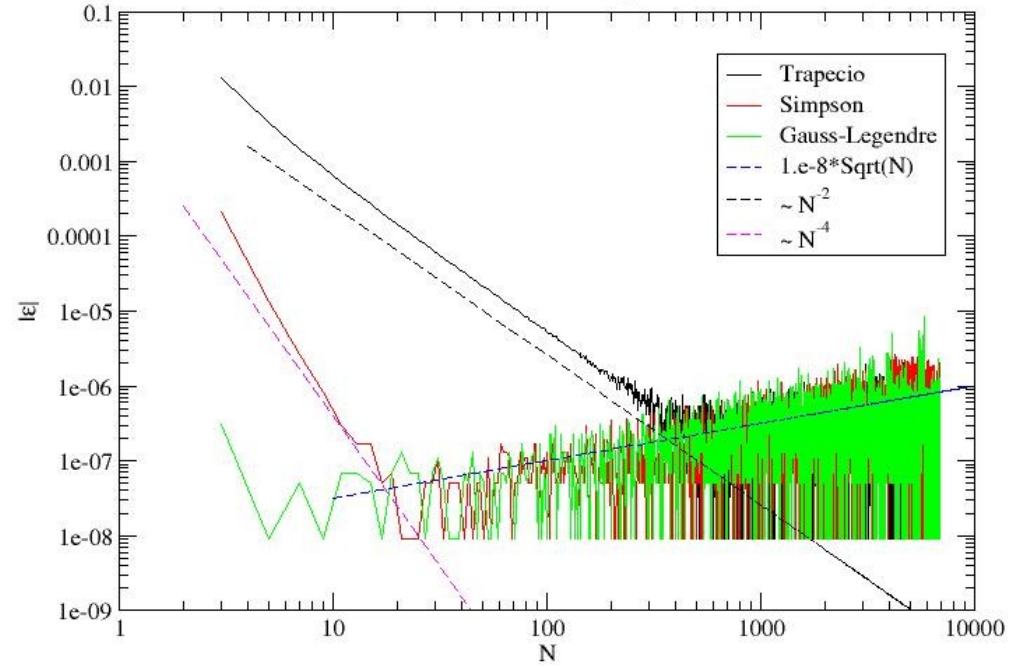
Problema 2-3:

3c)

Lab01 - P3.c - single

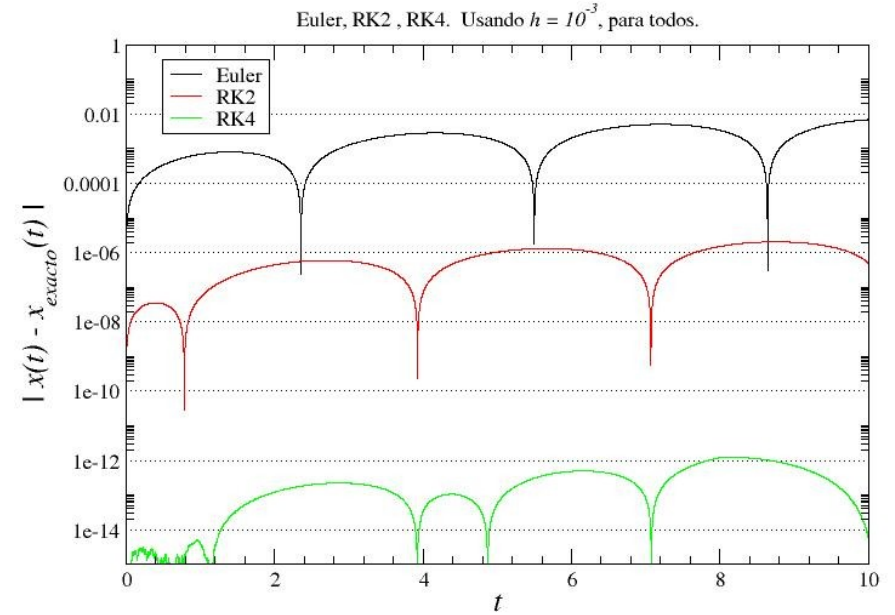
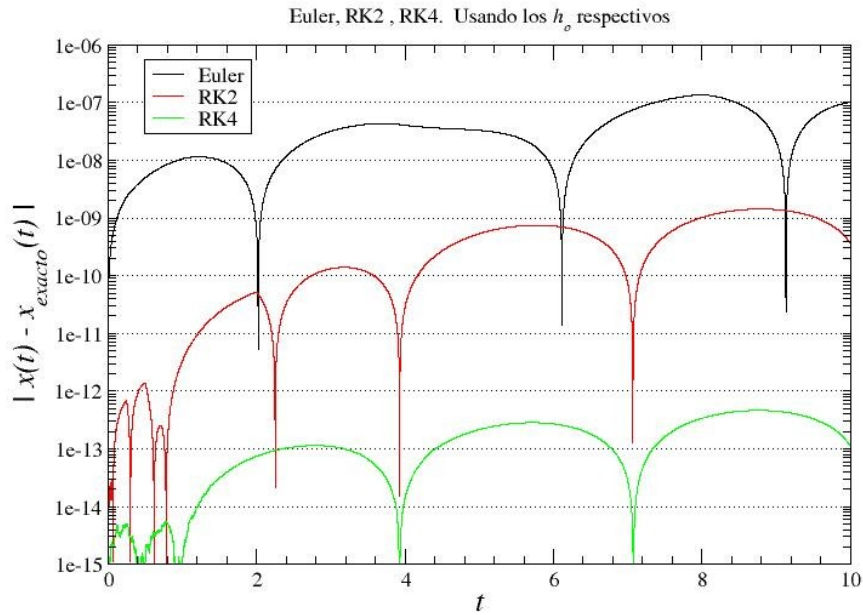


Lab01 - P3.c - single

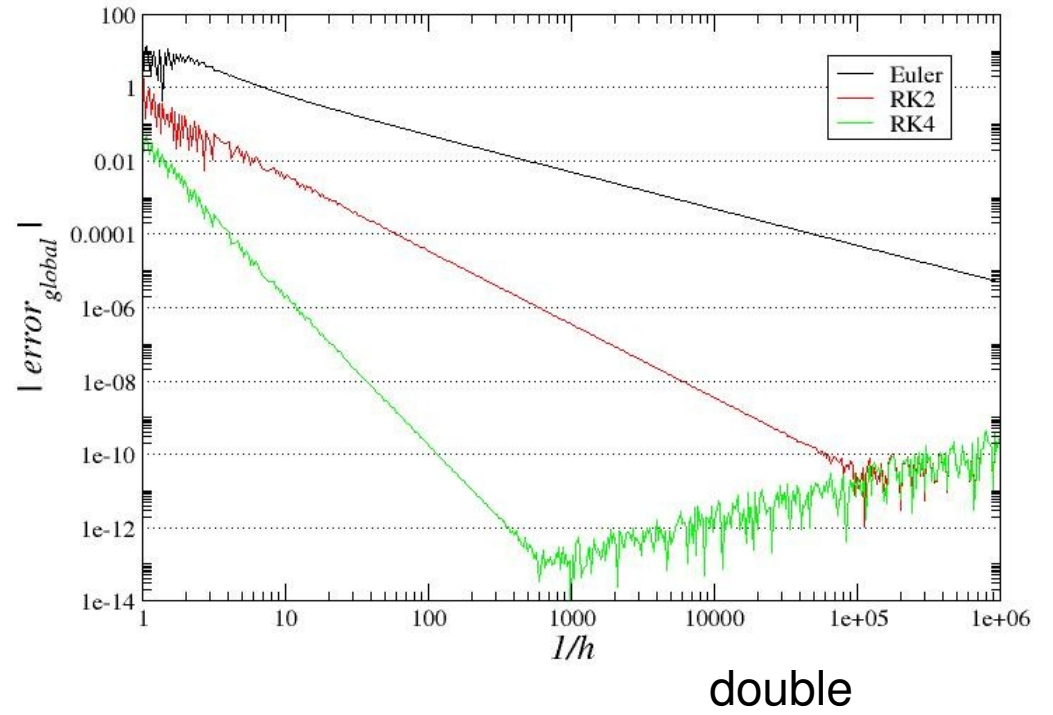
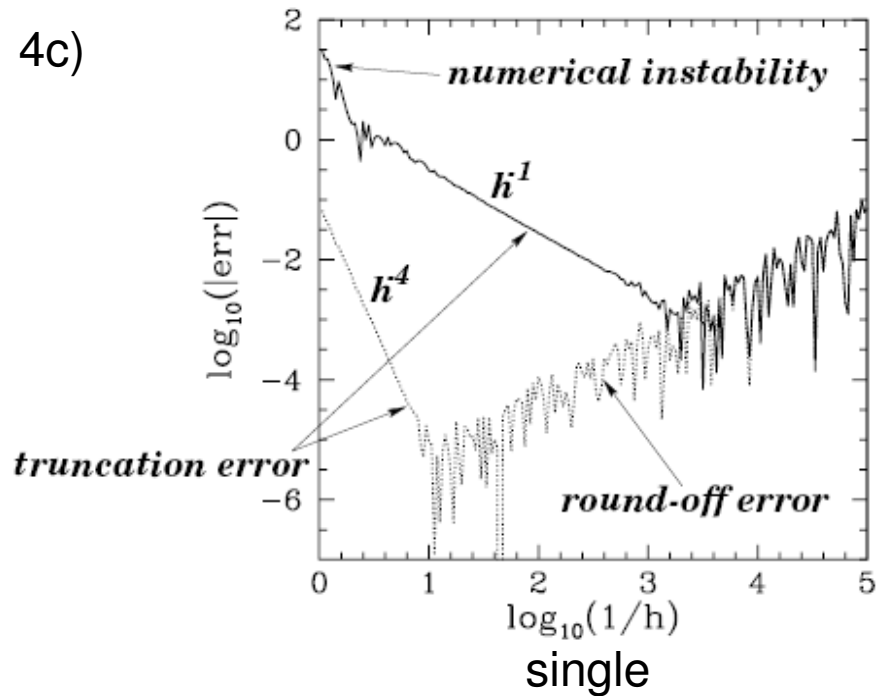


Problema 4:

4a)

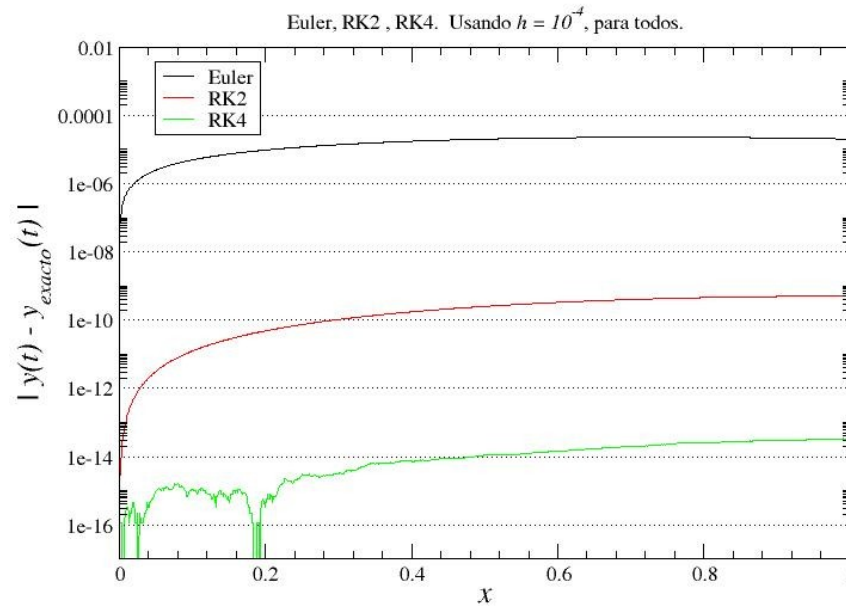


4c)



Problema 5:

5a)



5b) para un error aprox. $1.0e-6$

$$h_{\text{euler}} = 1.0e-5$$

$$h_{\text{rk2}} = 5.0e-3$$

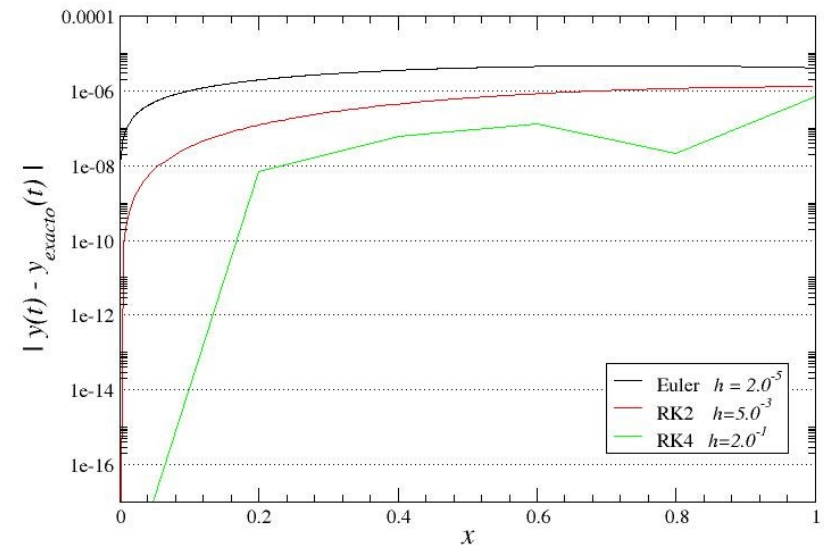
$$h_{\text{rk4}} = 2.0e-1$$

integrando hasta 50000

$$t_{\text{euler}} = 35.1\text{s}$$

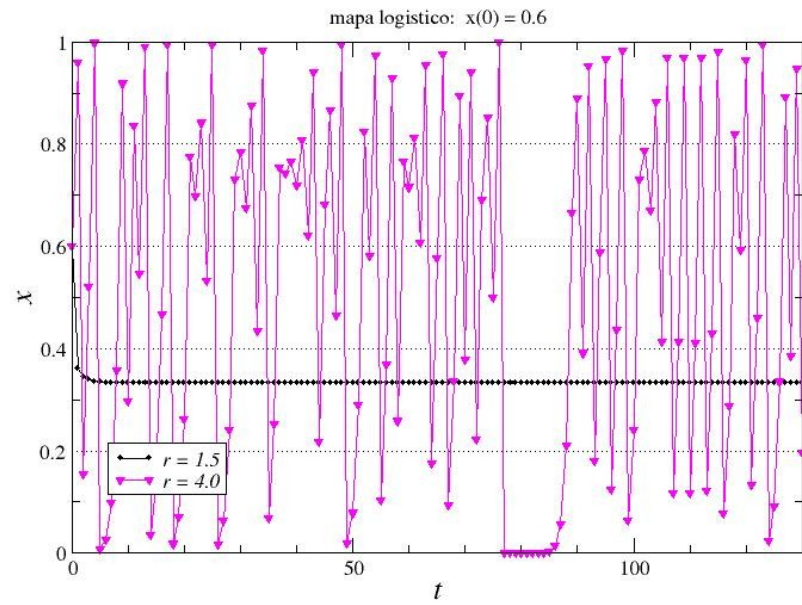
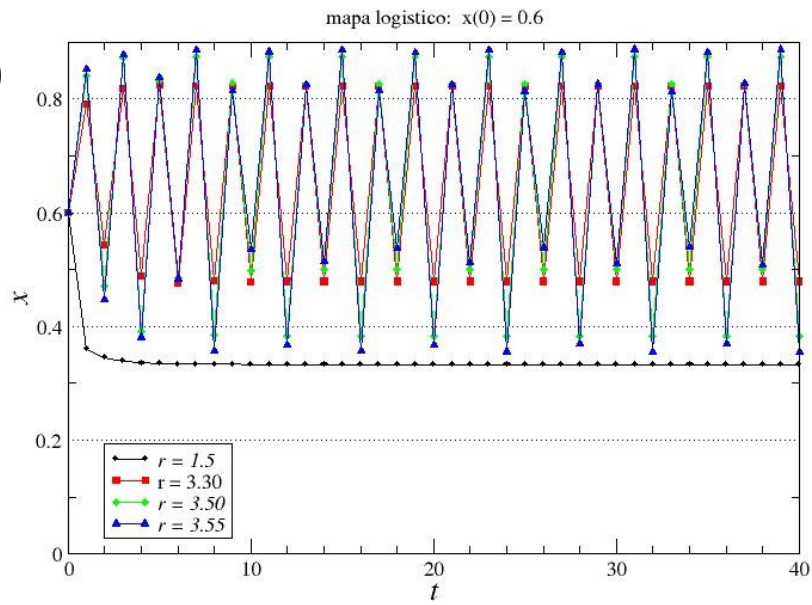
$$t_{\text{rk2}} = 0.365\text{s}$$

$$t_{\text{rk4}} = 0.032\text{s}$$

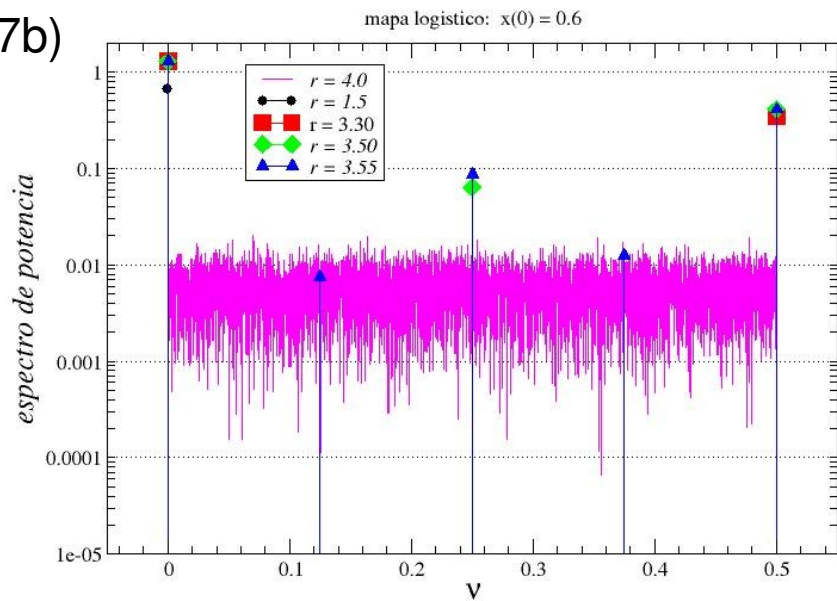


Problema 7:

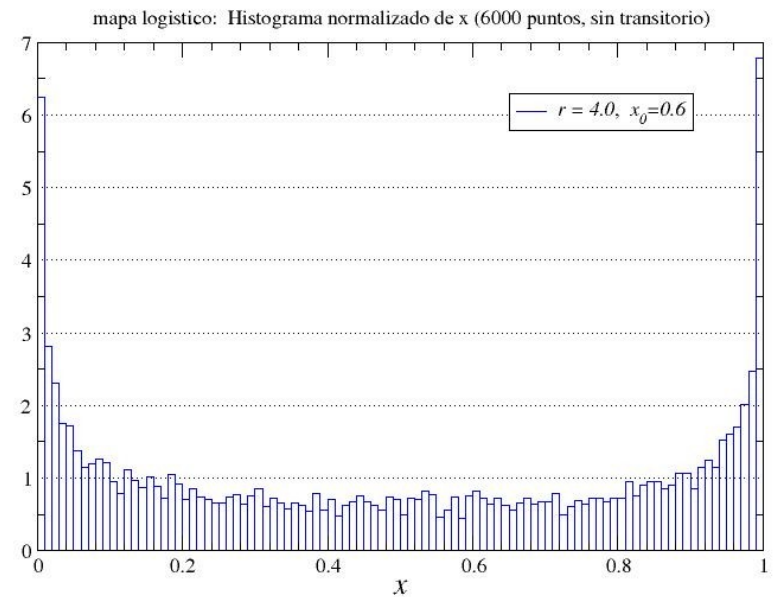
7a)



7b)

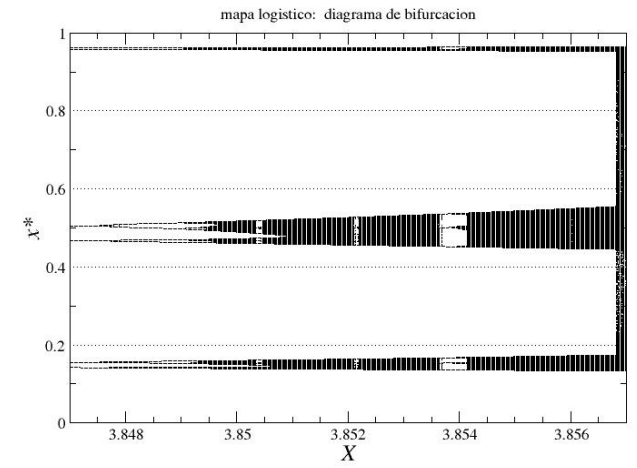
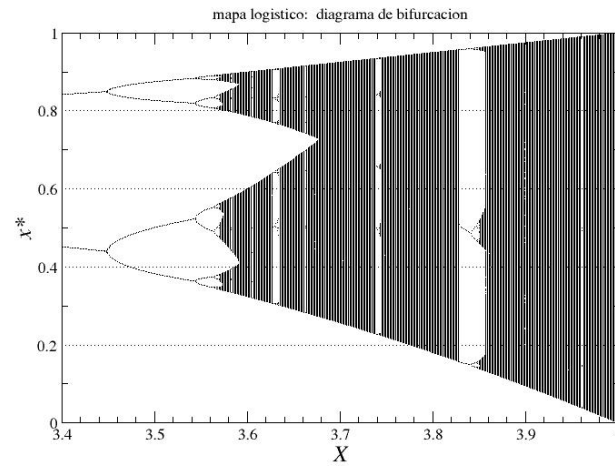
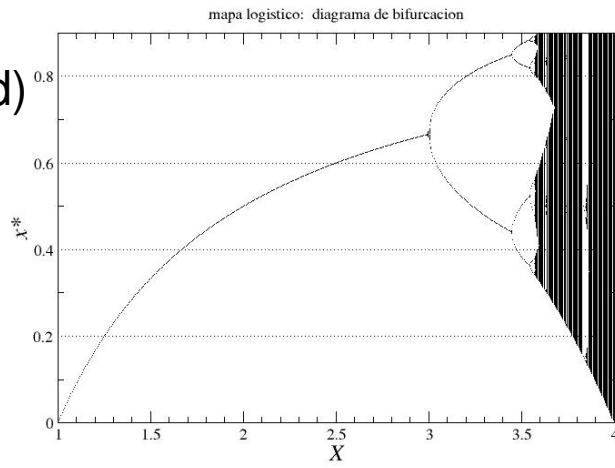


7c)

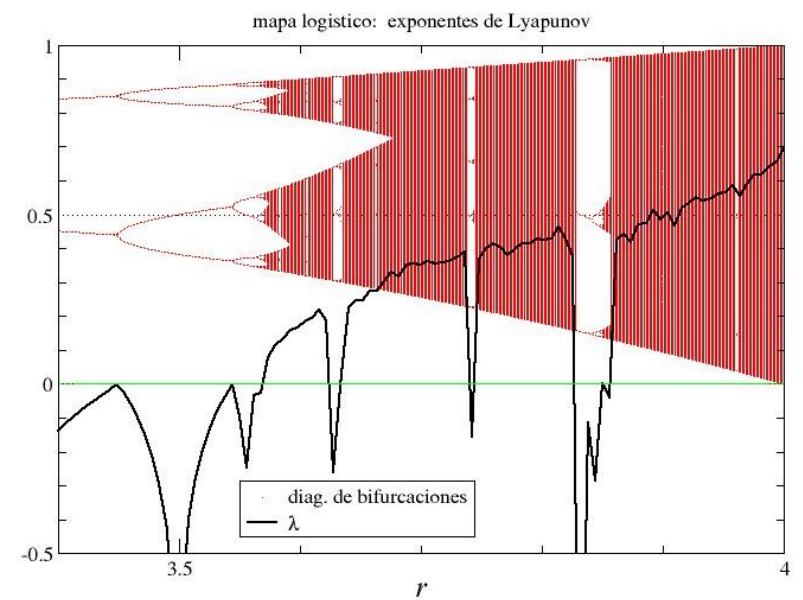
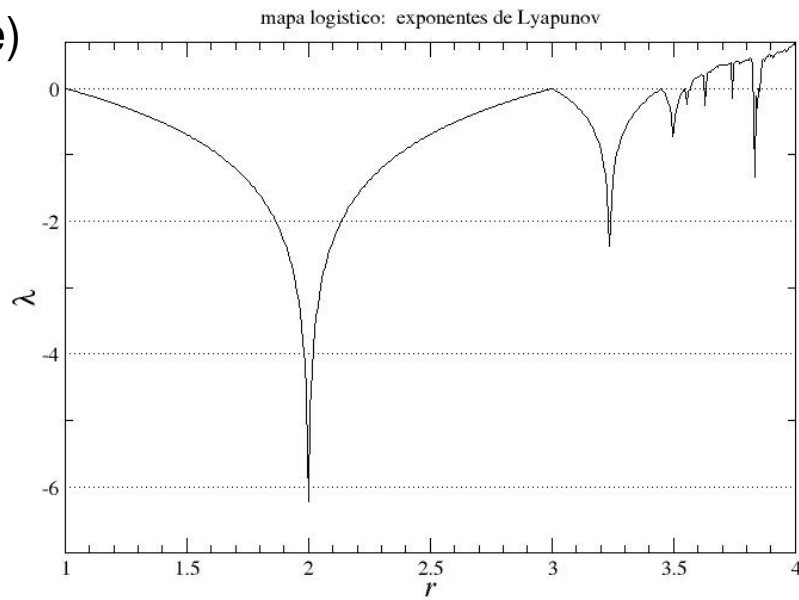


Problema 7:

7d)



7e)



Problema 8:

8b)

