Ejecución ejercicio 9 Taylor

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Datos:

$$f(t,y) = \frac{y^2(t)}{1+t}, \quad t \in [1,2]$$

$$y(1) = -\frac{1}{log2}$$

Solución exacta:

$$y(t) = \frac{-1}{log(t+1)}$$

Y $h = 0{,}1$. Obtenemos:

Índice	t	Aproximado(u)	Real(y)	Error
1	1	-1.44269504088896	-1.44269504088896	0
2	1.1	-1.34783180225188	-1.34782270646418	9.09578770014186e-6
3	1.2	-1.26831263619734	-1.26829940370903	1.32324883146406e-5
4	1.3	-1.20062612644675	-1.20061117409314	1.49523536094875e-5
5	1.4	-1.14226070255716	-1.14224524227158	1.54602855810815e-5
6	1.5	-1.09137202301081	-1.09135666793729	1.53550735217944e-5
7	1.6	-1.04657488453698	-1.04655993939590	1.49451410849100e-5
8	1.7	-1.00680846832151	-1.00679407494966	1.43933718461664e-5
9	1.8	-0.971246441794255	-0.971232654817011	1.37869772445232e-5
10	1.9	-0.939235409517069	-0.939222236853531	1.31726635379525e-5
11	2.0	-0.910251801601776	-0.910239226626837	1.25749749390058e-5