1050-39-48 **Orlando Merino*** (merino@math.uri.edu), Department of Mathematics, Room 200, Lippitt Hall, 5 Lippitt Road, Kingston, RI 02881. *A Solution to the Y2K Problem.*

In a 1995 publication, G. Ladas conjectured the global attractivity of the equilibrium of the difference equation $x_{n+1} = \frac{p+q\,x_n}{1+x_{n-1}}$, $n = 0, 1, 2, \ldots$, $x_{-1} > 0$, $x_0 > 0$, where p and q are positive constants. This is the well known Y2K conjecture of rational difference equations. The case $q \geq p$ was proved in 1993 by Kocic and Ladas. A proof for the remaining case with $q < p$ will be presented here, thus completing the proof of the conjecture for all positive values of the parameters. (Received February 20, 2009)