Winston Churchill

$y = e^x - 2$

Intervalo $[0.5, 1.5]$

$x_1 = 0.5$

$x_u = 1.5$

$F_{x1} = (e^{0.5} - 2) = -0.35127$

$F_{xu} = (e^{1.5} - 2) = 2.48168$ ← $F_{x1} \times F_{xu} = -0.87176 < 0$

$x_r = (x_1 + x_u)/2 = 1.0$

$F_{xr} = (e^{1.0} - 2) = 0.7182$ → $F_{xr} \times F_{x1} = -0.25231$

$F_{xr} \times F_{xu} = 1.7825$

$x_u = x_r$

$x_1 = x_1$

$F_{x1} = -0.3512$

$F_{xu} = 0.71828$

$x_r = (x_1 + x_u/2) = 0.75$

$F_{xr} = (e^{0.75} - 2) = 0.11700$

$F_{xr} \times F_{x1} = -0.00410$

$F_{xr} \times F_{xu} = 0.08403876$

$x_u = x_r$

$x_1 = x_1$

$F_{x1} = -0.3512$

$F_{xu} = 0.71828$

$x_r = (x_1 + x_u/2) = 0.625$

$F_{xr} = (e^{0.625} - 2) = 0.11700$

$F_{xr} \times F_{x1} = 0.036\,1104$

$F_{xr} \times F_{xu} = 0.084038$