



The sequence x_0, x_1, x_2, \dots bounces between the blue & black lines, then finally gets stuck at the first (lowest) intersection — which must be x . 😊

$G(x_0) = x_1$, so x_1 is the reflection of $G(x_0)$ in the line $t = s$.
 $G(x_1) = x_2$ etc.