

Начало

$a = 6.13$
 $b = 3.22$
 $x_n = 2$
 $x_k = 7$
 $dx = 0.5$
 $x = x_n$

$\max_t = \sqrt{\frac{a+x}{\cos(b+x)+10}} \cdot \sin(a+x^3)$
 $\text{negative_count_x} = 0$
 $\text{iteration_count} = 0$

$x \leq x_k$

Да

$t = \sqrt{\frac{a+x}{\cos(b+x)+10}} \cdot \sin(a+x^3)$

$x < 0$

Да

$\text{negative_count_x}++$

$t > \max_t$

Да

$\max_t = t$

$\text{iteration_count}++$

$\text{iteration_count} \% 2 == 0$

Да

Вывод x, t

$x += dx$

Вывод
 $\text{negative_count_x}, \max$

Конец