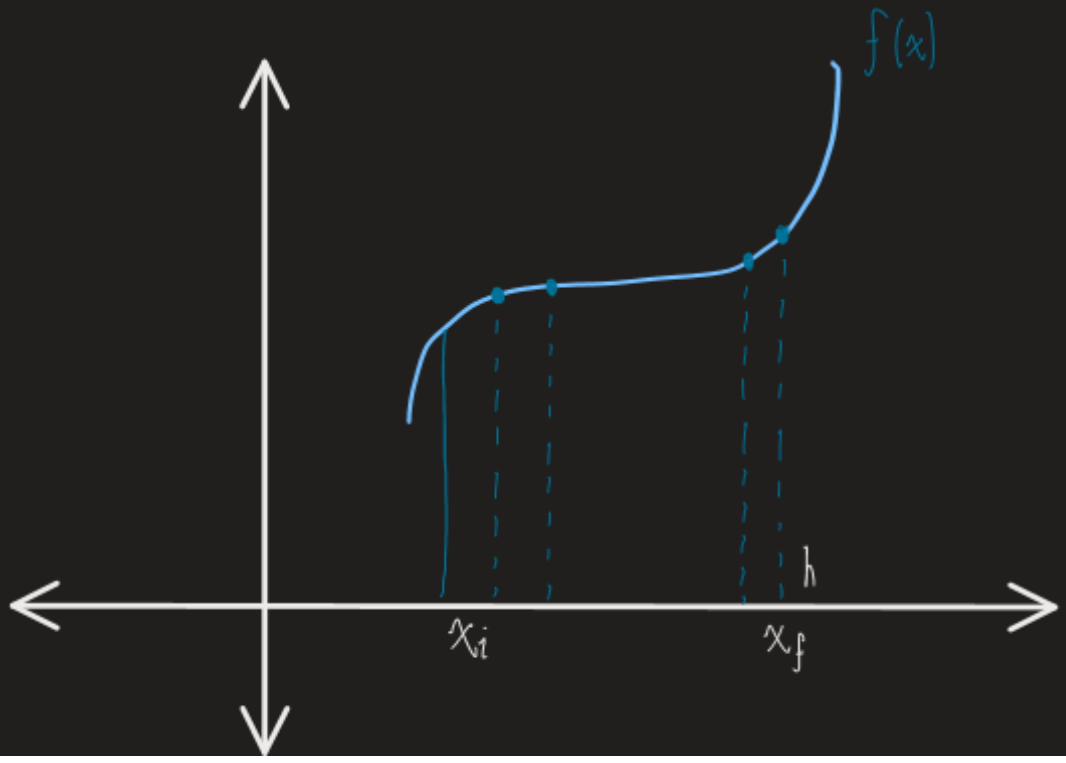
Analisis

Matemático	Computacional
$y = f(x)$	$f = f_c(c)$
$f: \mathbb{R} \to \mathbb{R}$ en	$f_c: \mathbb{E}_c \to \mathbb{E}_c$
$[x_i, x_j]$	$[c_i, c_f]$
(x, y)	(c, f)
puntos	pixeles
abstracción	concreto



Como datos se tiene

$f(x)$, $[x_i, x_f]$

$nh = x_f - x_i$

$h = \frac{x_f - x_i}{n}$

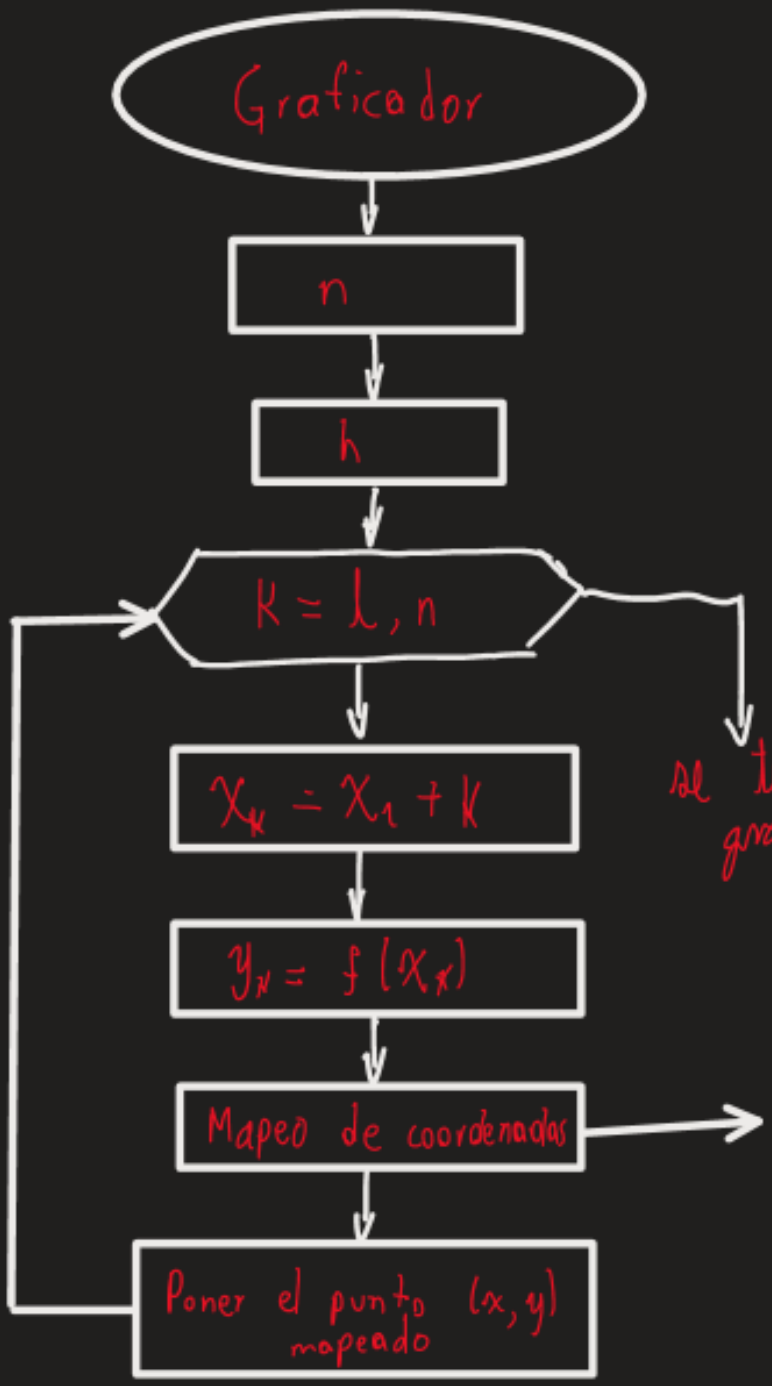
$x_1 = x_i + h \longrightarrow y_1 = f(x_1)$

$x_2 = x_i + 2h \longrightarrow y_2 = f(x_2)$

$\vdots$

$x_n = x_1 + nh \longrightarrow y_n = f(x_n)$

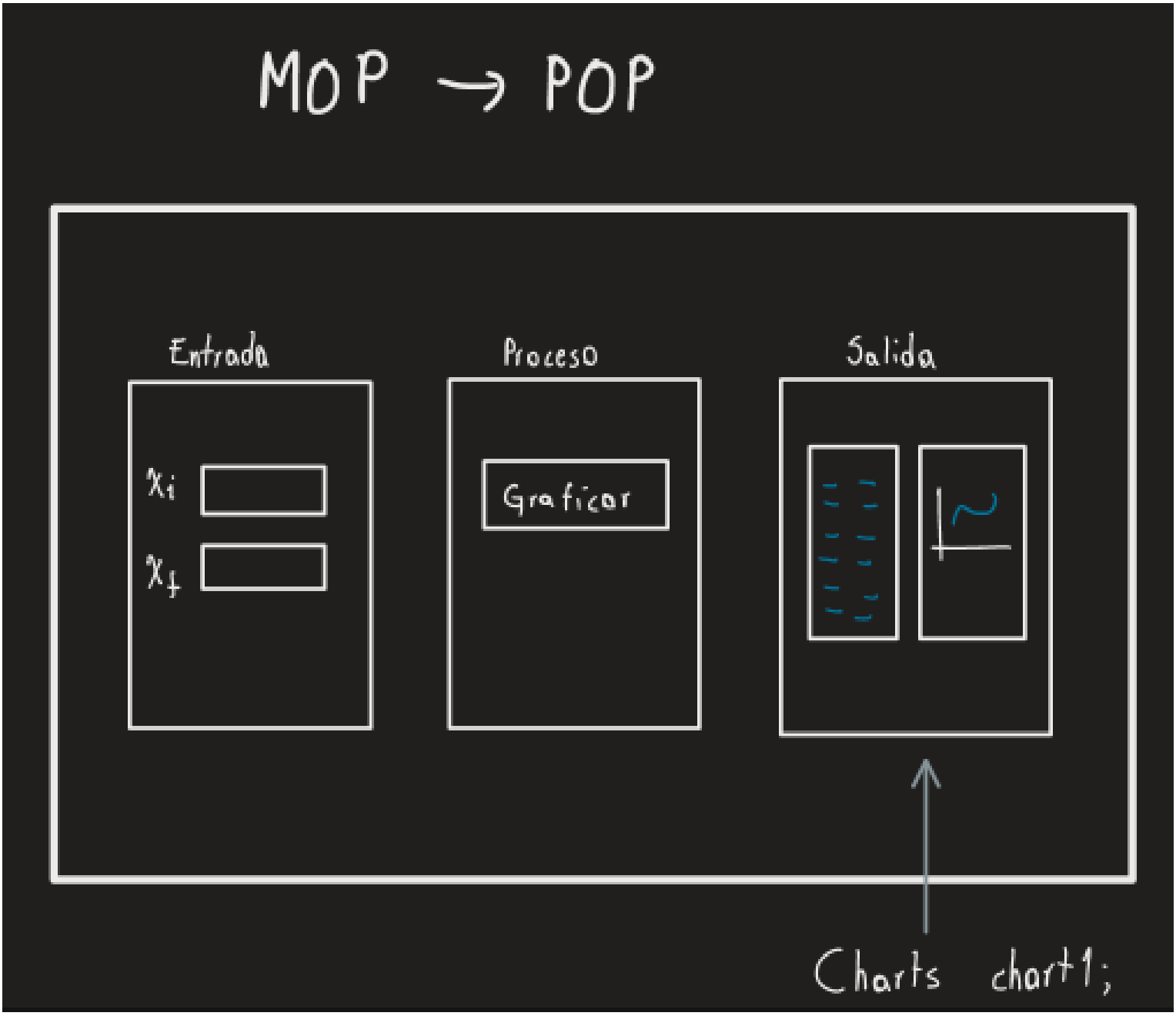
Diseño



Implementación

MOO → POO

clase	Graficas
objetos	grafica
atributos	x_i, x_f, n
datos	$[-2.5, 3.1]_n$
métodos	$f(x)$


MOP → POP
Entrada
Proceso
Salida
x_i
x_f
Graficar
Charts chart1;