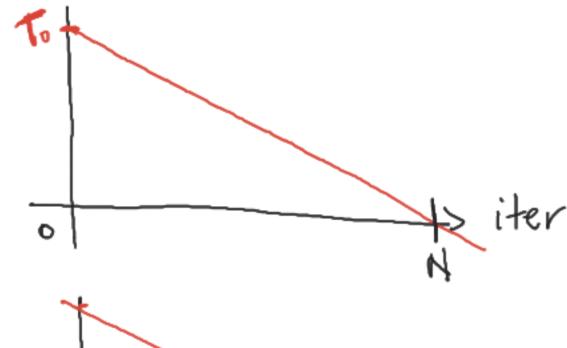
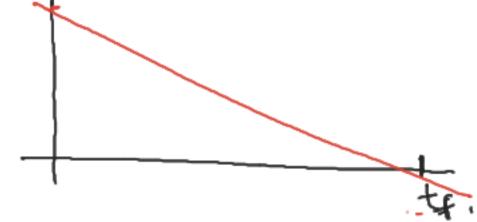


Enfriamiento Simulado:

Estado inicial xo-> currenti For i=0,1,2,... T = T(i) itineranio next = Operador de bisqueda local (current) DE = f(next) - f(current) If DELO: (fmejora) current - next (mejor) Else: If (random [0,1] < P=e DE/KT): current - next (peor)

Itiverario de T:



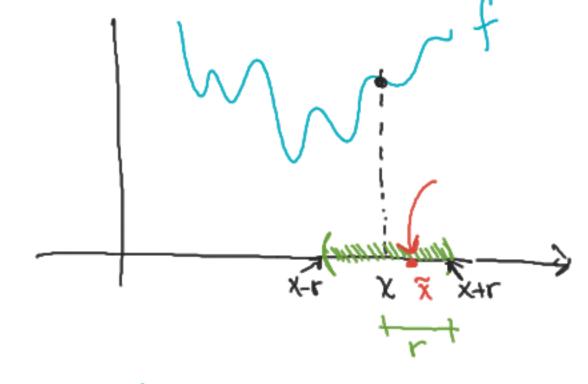


$$T(i) = T(i-i) - \alpha$$
 $\alpha > 0$

$$T(i) = \alpha T(i-i)$$
 $0 < \alpha < 1$

Operador de Búsqueda Local:

Ej: f: R -> R



def OpBúsqueda (x, r):

t = random (0,1)

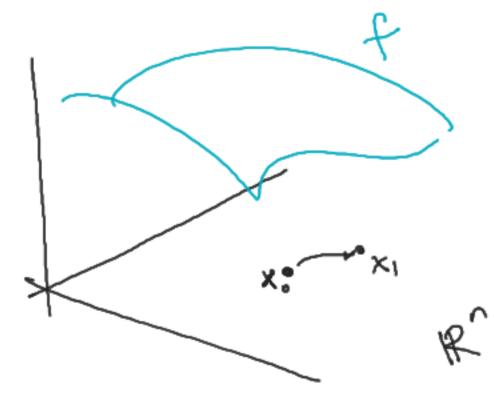
A=(x-r)+f[(x+r)-(x-r)]

return y

x = current

 $\tilde{x} = \text{next}$

f: 1R" --- R



$$x = (x_1, x_2, ..., x_n)$$
for $i = 1$ to n :
$$t_i = random(o, 1)$$

$$y_i = x_{i-r} + t_i(x_{i+r} - (x_{i-r}))$$

$$return(y_1, y_2, ..., y_n)$$

X= current

def OpBrisqueda (x, G): N= recino de (x) elegir y∈N alcatoriamente return y

