Point fixe

Inputs a,b,tol,f,iterMax

Outputs pn1,i

set i = 2

set pn0 = a

set pn1 = a – f(a) x ( b - a ) / ( f(b) – f(a) )

while ( i < iterMax AND | pn1 - pn0 | / | pn1 | > tol )

set tmp = pn1 – f(pn1) x ( pn1 - pn0 ) / ( f(pn1) – f(pn0) )

set pn0 = pn1

set pn1 = tmp

set i = i + 1

end

output(pn1,i)