
```
%pct c tema 2
type('MetPozFalse');

function [ xaprox ]=MetPozFalse(f,A,B,eps)
a(1)=A;
b(1)=B;
k=1;
cond=1;
x(1)=(a(1)*f(b(1))-b(1)*f(a(1)))/(f(b(1))-f(a(1)));
while (cond==1)
    k=k+1;
    if f(x(k-1))==0
        x(k)=x(k-1);
        break;
    elseif f(a(k-1))*f(x(k-1))<0
        a(k)=a(k-1);
        b(k)=x(k-1);
        x(k)=(a(k)*f(b(k))-b(k)*f(a(k)))/(f(b(k))-f(a(k)));
    elseif f(a(k-1))*f(x(k-1))>0
        a(k)=x(k-1);
        b(k)=b(k-1);
        x(k)=(a(k)*f(b(k))-b(k)*f(a(k)))/(f(b(k))-f(a(k)));
    end
    if abs(x(k)-x(k-1))/abs(x(k-1))<eps
        cond=0;
    end
    xaprox=x(k);
end
```

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