
```
%pct b tema 2
type('MetSecantei');

function [ xapprox ] = MetSecantei(f,a,b,x0,x1,eps)

    k=2;
    x(1)=x0;
    x(2)=x1;
    while (abs(x(k)-x(k-1))/abs(x(k-1)))>=eps)
        k=k+1;
        x(k)=(x(k-2)*f(x(k-1))-x(k-1)*f(x(k-2)))/(f(x(k-1))-
f(x(k-2)));
        if x(k)< a | x(k)>b
            warning('introduceti alte valori pentru x0,x1');
            break;
        end
    end
    xapprox=x(k);
end
```

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