```
[ \(>\) restart;
    \(>\) bisection :=proc( )
    local \(a, b, f, m, c, N, t\);
    printf(" Please enter function \(f . \ln ")\);
        \(f:=\operatorname{scanf}\left({ }^{\prime} \% a^{\prime}\right)\) [1];
        \(f:=\) unapply \((f, x)\);
        printf(" Please give the numbers \(a\) and \(b . \mid n ")\);
            \(a:=\operatorname{scanf}(1 \% f\) ' \([1]\);
            \(b:=\operatorname{scanf}\left(' \% f^{\prime}\right)[1] ;\)
            printf (" Please give the tolerance. \(\mathrm{n}^{\prime \prime}\) );
            \(t:=\operatorname{scanf}(\) ' \(\% f\) ' ) [1];
            printf (" Please give the maximom number of iteration. \(1 n "\) );
            \(N:=\operatorname{scanf}(' \% f\) ' \()[1] ;\)
            \(c:=1 ;\)
            while \(c<N\) or \(b-a>t\) do
            \(m:=\frac{(a+b)}{2}\);
            if \(f(m) \cdot f(a)<0\) then
                    \(b:=m\);
                    else \(a:=m ;\)
            \(f i\);
            \(c:=c+1 ;\)
        od;
        print(m);
        RETURN( );
    end:
    \(>\) bisection( );
    Please enter function f .
    Please give the numbers \(a\) and \(b\).
    Please give the tolerance.
    Please give the maximom number of iteration.
                                    \(-.8421756420\)
\(>f\) solve \(\left(x^{5}-2 \cdot x^{2}-x+1=0, x\right)\);
                                    \(-.8421756417,0.5115918738,1.295883014\)
```

