

v := -10, -9.9.. 10

L := 0.30303030303

V := -7    x := 0

Given

$$30 - x + |x - 20| - |x - 40| + v = 0$$

ans(v) := Find(x)

x1(v) := ans(v)

a00(v) := x1(v)<sup>2</sup>·v

a11(v) := 2·x1(v)·v

a12(v) := x1(v)<sup>2</sup>

b11(v) := -1

b12(v) := 1

v =

-10
-9.9
-9.8
-9.7
-9.6
-9.5
-9.4
-9.3
-9.2
-9.1
-9
-8.9
-8.8
-8.7
-8.6
...

ans(v) =

0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
...

x1(v) =

0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
1.1
1.2
1.3
1.4
...

$$L1(v) := \frac{1}{a11(v) \cdot b12(v)}$$

$$R1(v) := \frac{-b11(v)}{a11(v) \cdot b12(v)}$$

$$R2(v) := \frac{1}{a12(v)}$$

a00(v) =

0
-0.099
-0.392
-0.873
-1.536
-2.375
-3.384
-4.557
-5.888
-7.371
-9
-10.769
-12.672
-14.703
-16.856
...

a11(v) =

0
-1.98
-3.92
-5.82
-7.68
-9.5
-11.28
-13.02
-14.72
-16.38
-18
-19.58
-21.12
-22.62
-24.08
...

a12(v) =

0
0.01
0.04
0.09
0.16
0.25
0.36
0.49
0.64
0.81
1
1.21
1.44
1.69
1.96
...



