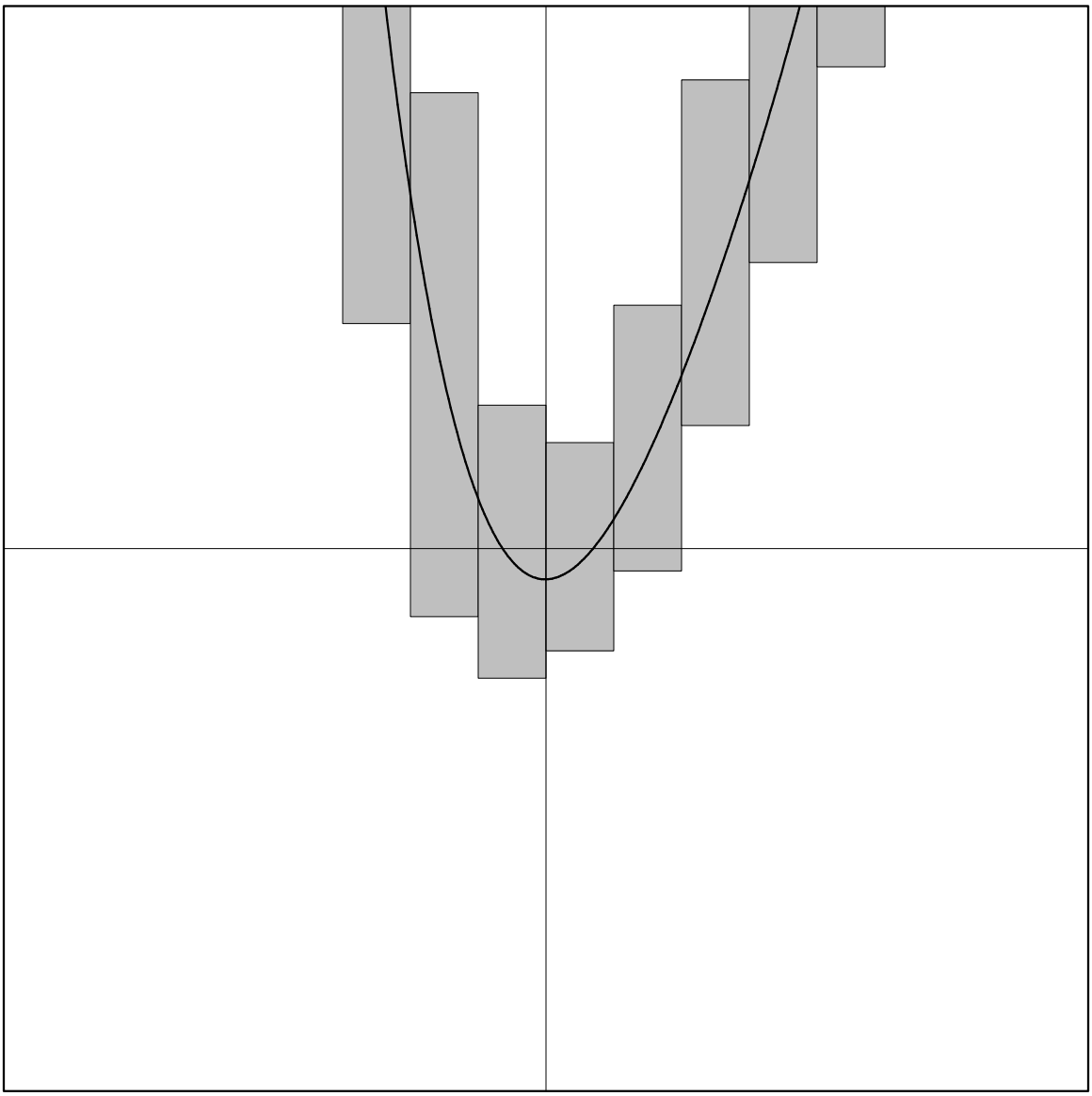
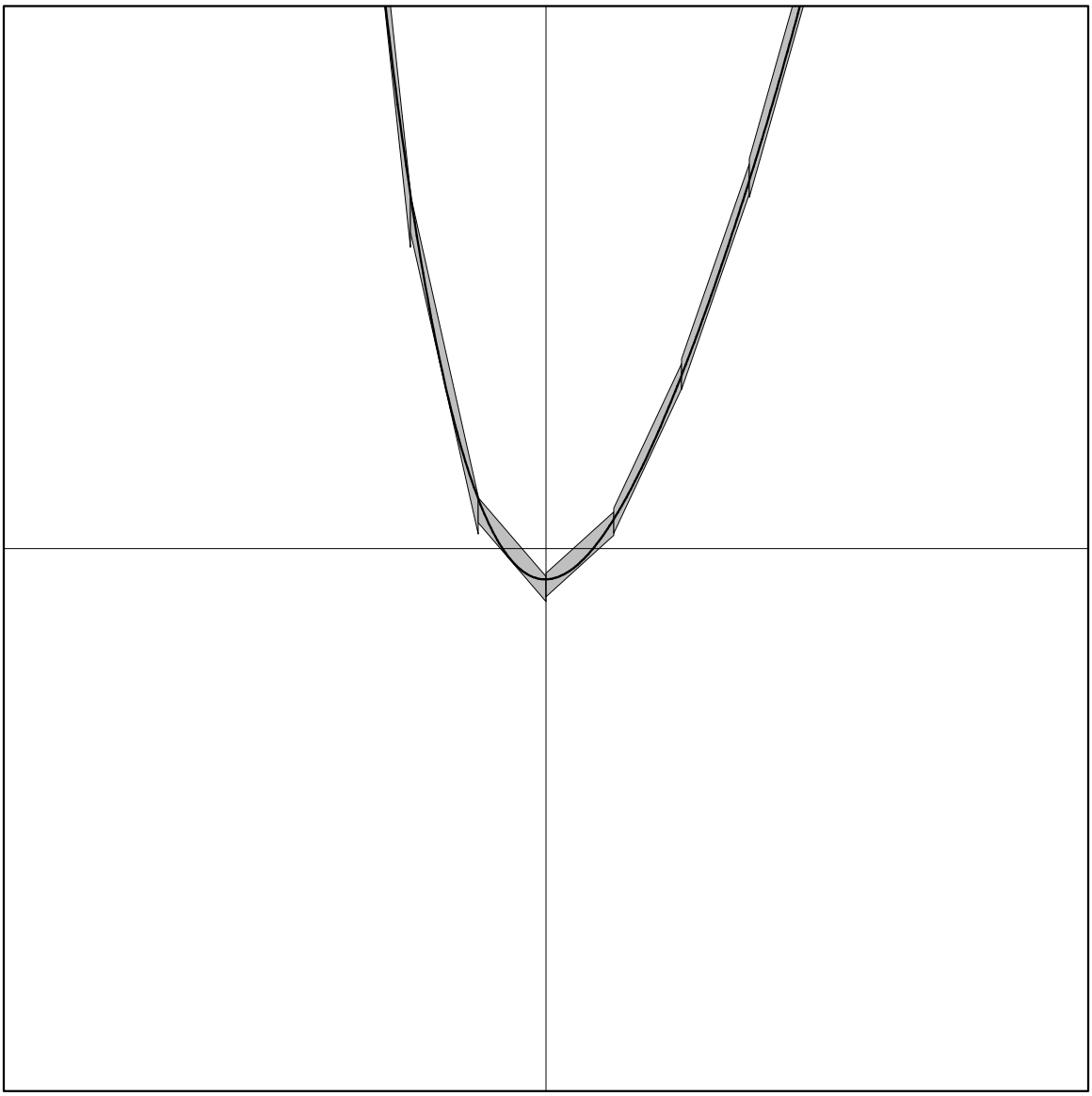


```
u = 3(x-1)/4; v = 3x/2; r2 = u^2 + v^2;
m2 = (u^2 - 3*v^2)^2;
s = u*m2 - r2^2;
t = (1/8)/(2 + r2);
g = s + t

x in [-1.000000 _ 1.000000]  y in [-1.000000 _ 1.000000]  16 intervals

Ordinary interval arithmetic
```



```
u = 3(x-1)/4; v = 3x/2; r2 = u^2 + v^2;
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g = s + t

x in [-1.000000 _ 1.000000]  y in [-1.000000 _ 1.000000]  16 intervals

Affine arithmetic
```

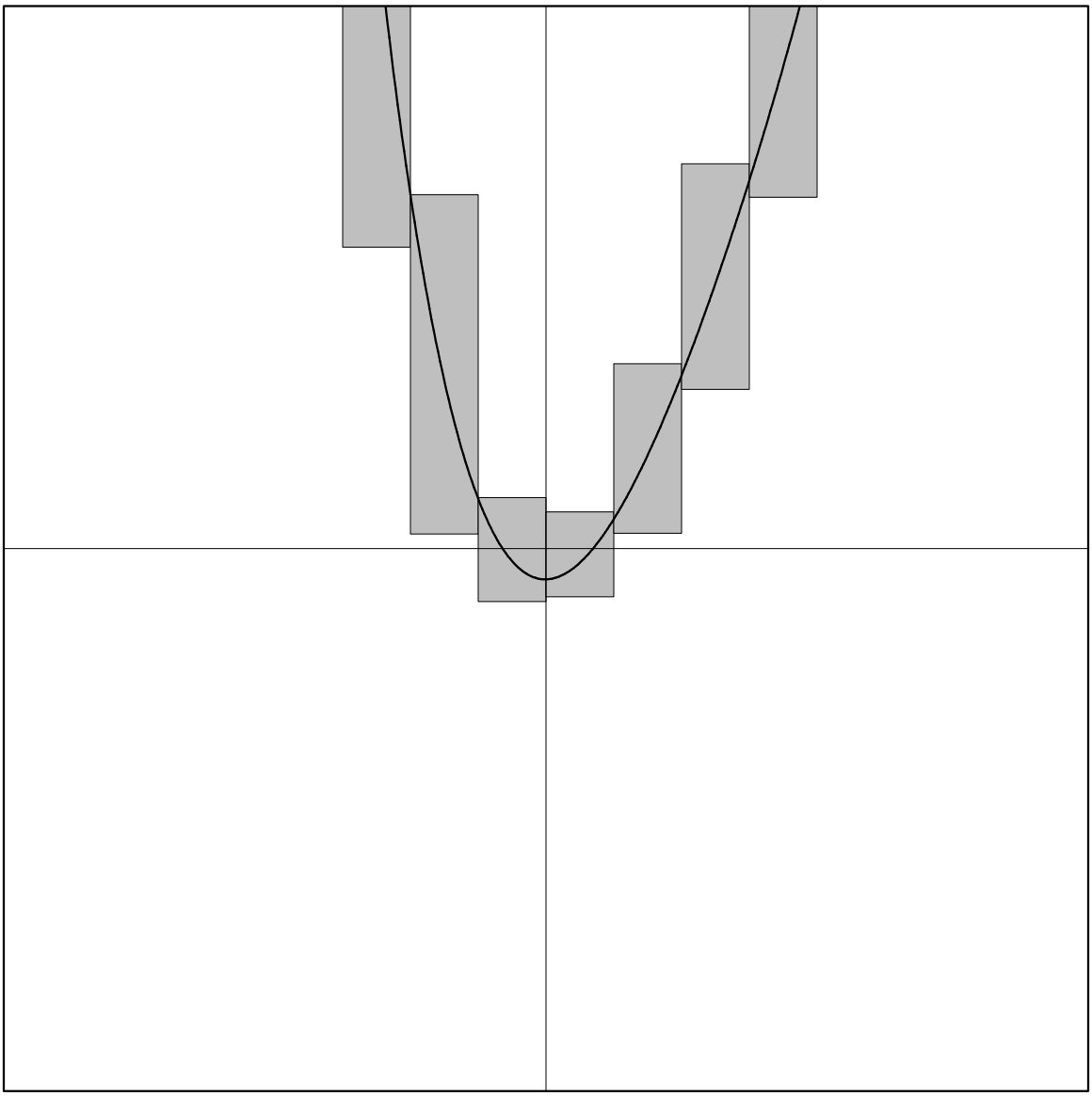

```
u = 3(x-1)/4; v = 3x/2; r2 = u^2 + v^2;
m2 = (u^2 - 3*v^2)^2;
s = u*m2 - r2^2;
t = (1/8)/(2 + r2);
g = s + t

x in [-1.000000 _ 1.000000]  y in [-1.000000 _ 1.000000]  16 intervals

Affine arithmetic (converted to intervals)
```