f(x)=x-r*(max-min)

f(x)=-x+((r-1)*(max-min)+2*max)

with r(x) = floor((x-min)/(max-min))

-2*(max-min)= -8

-2*(max-min)+2*max= -2

0*(max-min)= 0

0*(max-min)+2*max= 0

2*(max-min) = 8

2*(max-min)+2*max = 14

4*(max-min) = 16

f(x)

upper boundary (max = 3)

0/3

Region r=-2

Region r=-1

Region r=0

Region r=1

Region r=2

Region r=3

-8/0

-5/0

-2/0

-1/0

0/0

3/0

6/0

7/0

8/0

11/0

14/0

15/0

16/0

X

0/-1

lower boundary (min = -1)

-1*(max-min)+min = -5

0*(max-min)+min = -1

1*(max-min)+min = 3

2*(max-min)+min = 7

3*(max-min)+min = 11

4*(max-min)+min = 15