

```

_____T1+ abstract_____
x := 90 + 90.(x0)

y := [-oo,+oo]

empty array of constraints

##### if (x <= 45) #####
_____T1+ abstract_____
x := 90 + 90.(x0)

y := [-oo,+oo]

array of constraints of size 2
  0: x0 + 1 >= 0
  1: -x0 - 0.5 >= 0

##### if (x <= 45) y = 1 - 0.006508738196*x #####
_____T1+ abstract_____
x := 90 + 90.(x0)

y := 0.41421356235999995388 + -0.58578643764000004612.(x0) + 1.1102230246251565404e-
16.(x1)

array of constraints of size 2
  0: x0 + 1 >= 0
  1: -x0 - 0.5 >= 0

##### else du if (x <= 45) #####
_____T1+ abstract_____
x := 90 + 90.(x0)

y := [-oo,+oo]

array of constraints of size 4
  0: x0 + 0.5 >= 0
  1: -x0 + 1 >= 0
  2: x1 + 1 >= 0
  3: -x1 + 1 >= 0

##### if (x <= 90) #####
_____T1+ abstract_____
x := 90 + 90.(x0)

y := [-oo,+oo]

array of constraints of size 4
  0: x0 + 0.5 >= 0
  1: -x0 >= 0
  2: x1 + 1 >= 0
  3: -x1 + 1 >= 0

##### if (x <= 90) y = 1 - 0.00017644492*x*x + 0.000000588757*x*x*x; #####
_____T1+ abstract_____
x := 90 + 90.(x0)

y := 0.011131070359374772849 + -1.4061116556562500701.(x0) + 0.074841016289063366784
.(x2)

array of constraints of size 4
  0: x0 + 0.5 >= 0
  1: -x0 >= 0
  2: x1 + 1 >= 0
  3: -x1 + 1 >= 0

##### else du if (x <= 90) #####
_____T1+ abstract_____
x := 90 + 90.(x0)

y := [-oo,+oo]

array of constraints of size 6
  0: x0 >= 0

```

```

1: -x0 + 1 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
4: x2 + 1 >= 0
5: -x2 + 1 >= 0

```

```

##### if (x <= 135) #####
T1+ abstract_____

```

```

x := 90 + 90.(x0)

```

```

y := [-oo,+oo]

```

```

array of constraints of size 6

```

```

0: x0 >= 0
1: -x0 + 0.5 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
4: x2 + 1 >= 0
5: -x2 + 1 >= 0

```

```

##### if (x <= 135) y = 1.283184584 - 0.0062929908*x - 0.00014148386*x*x +0.00000
0588757*x*x*x; #####

```

```

T1+ abstract_____
x := 90 + 90.(x0)

```

```

y := -0.011131070359375216938 + -1.4061116556562502922.(x0) + 0.08611042858593886961
7.(x3)

```

```

array of constraints of size 6

```

```

0: x0 >= 0
1: -x0 + 0.5 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
4: x2 + 1 >= 0
5: -x2 + 1 >= 0

```

```

##### else if (x <= 135) #####

```

```

T1+ abstract_____
x := 90 + 90.(x0)

```

```

y := [-oo,+oo]

```

```

array of constraints of size 8

```

```

0: x0 - 0.5 >= 0
1: -x0 + 1 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
4: x2 + 1 >= 0
5: -x2 + 1 >= 0
6: x3 + 1 >= 0
7: -x3 + 1 >= 0

```

```

##### else if (x <= 135) y = 0.17157287528 - 0.006508738196*x; #####

```

```

T1+ abstract_____
x := 90 + 90.(x0)

```

```

y := -0.41421356236000000939 + -0.58578643764000004612.(x0) + 1.6653345369377348106e
-16.(x4)

```

```

array of constraints of size 8

```

```

0: x0 - 0.5 >= 0
1: -x0 + 1 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
4: x2 + 1 >= 0
5: -x2 + 1 >= 0
6: x3 + 1 >= 0
7: -x3 + 1 >= 0

```

```

##### if (x <= 135) JOIN son else #####

```

```

T1+ abstract_____
x := 90 + 90.(x0)

```

```
y := -0.16961710206671837264 + -0.58578643764000004612.(x0) + [u]0.24459646029328202
532.(x5)
```

```
array of constraints of size 6
```

```
0: x0 >= 0
1: -x0 + 1 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
4: x2 + 1 >= 0
5: -x2 + 1 >= 0
```

```
##### JOIN avec le else du if (x <= 90) #####
```

```
T1+ abstract_____
x := 90 + 90.(x0)
```

```
y := 0.040960566648281265811 + -0.58578643764000004612.(x0) + [u]0.45517412900828191
358.(x6)
```

```
array of constraints of size 4
```

```
0: x0 + 0.5 >= 0
1: -x0 + 1 >= 0
2: x1 + 1 >= 0
3: -x1 + 1 >= 0
```

```
##### JOIN avec le else du if (x <= 45) #####
```

```
T1+ abstract_____
x := 90 + 90.(x0)
```

```
y := -3.3306690738754696213e-16 + -0.42194417104687387265.(x0) + [u]0.57805582895312
679348.(x7)
```

```
array of constraints of size 2
```

```
0: x0 + 1 >= 0
1: -x0 + 1 >= 0
```

```
x : [-0.000000,180.000000]
```

```
y : [-1.000000,1.000000]
```

```
Box1: (0,2)
```

```
  x      in[0,180]
```

```
  y      in[-1.00000000000000011102,1.0000000000000004441]
```

```
CpuTime: 0.00
```