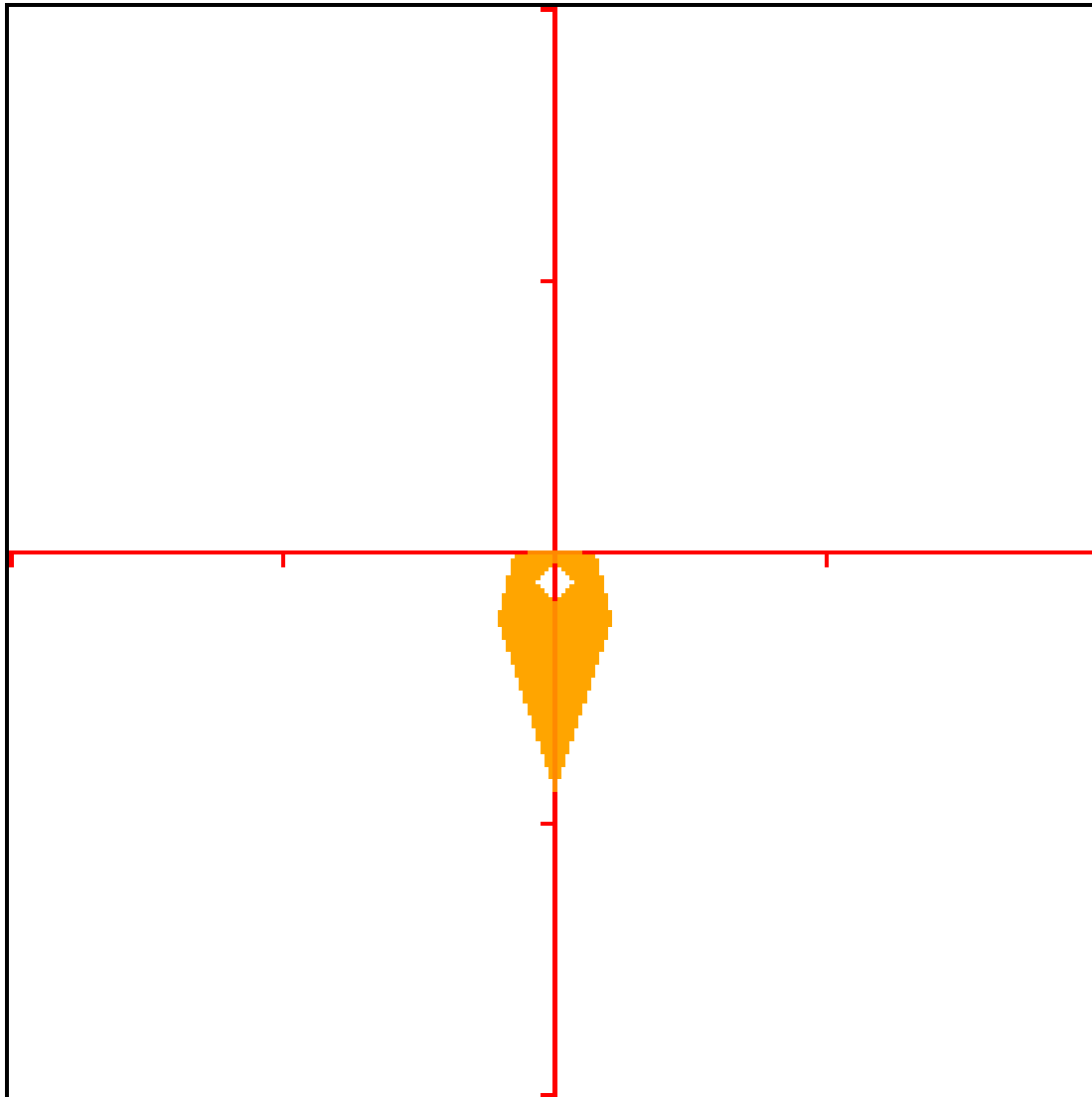


Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Original Shape

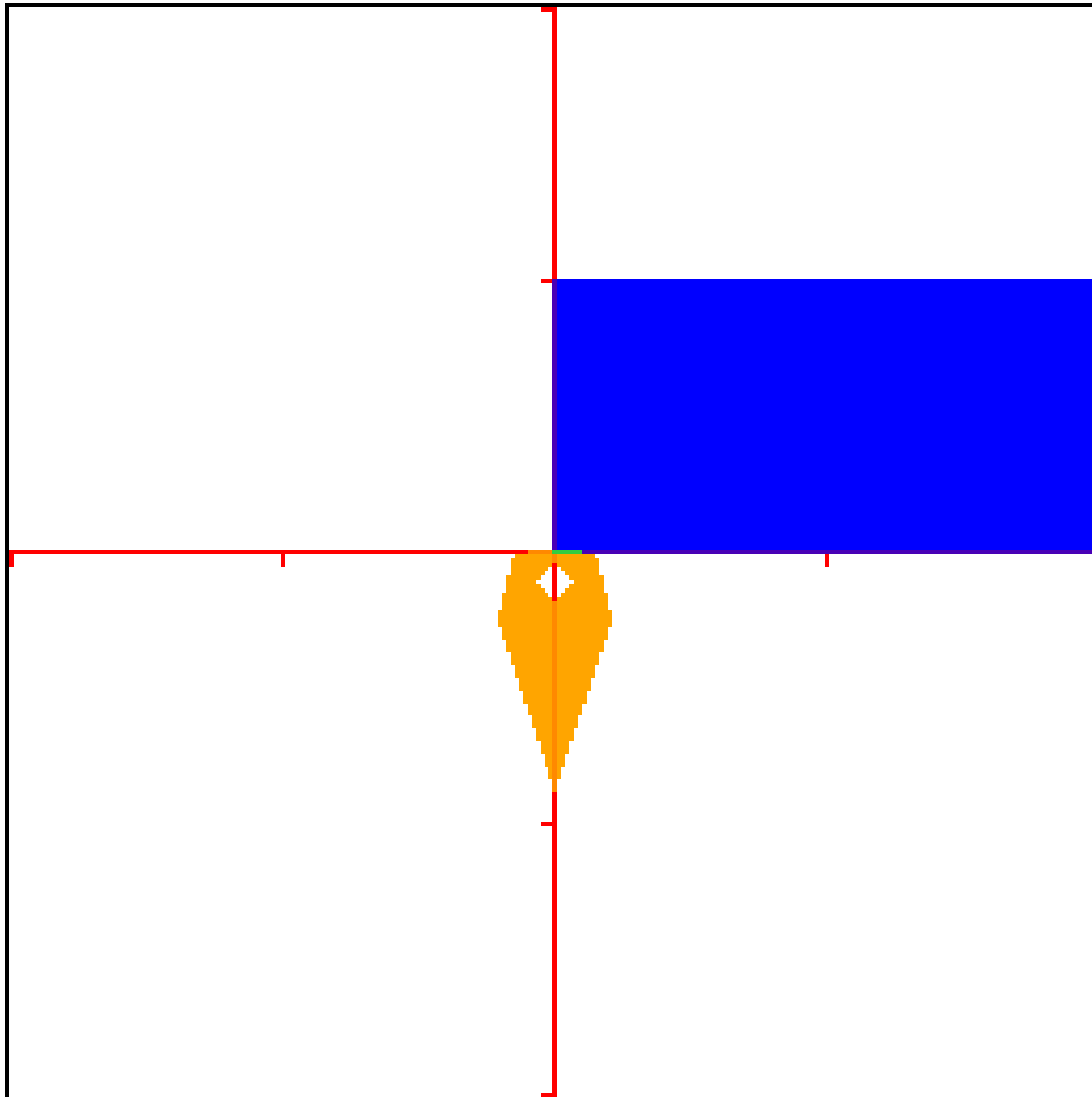
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	0
Common points:	0
Extraneous points:	0
Missing points:	882
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Initial Paper

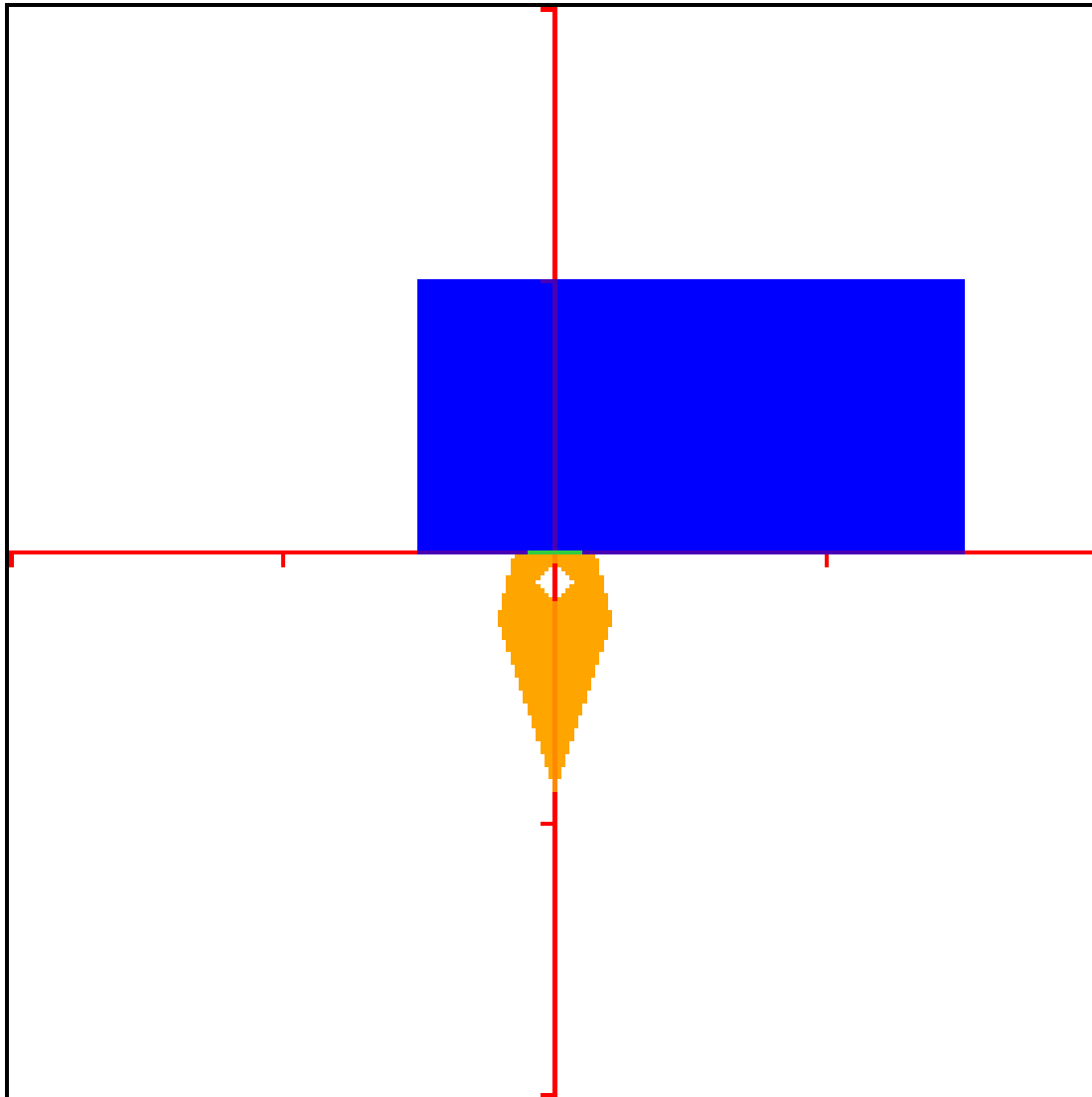
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	8385
Common points:	7
Extraneous points:	8378
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 1 of 31

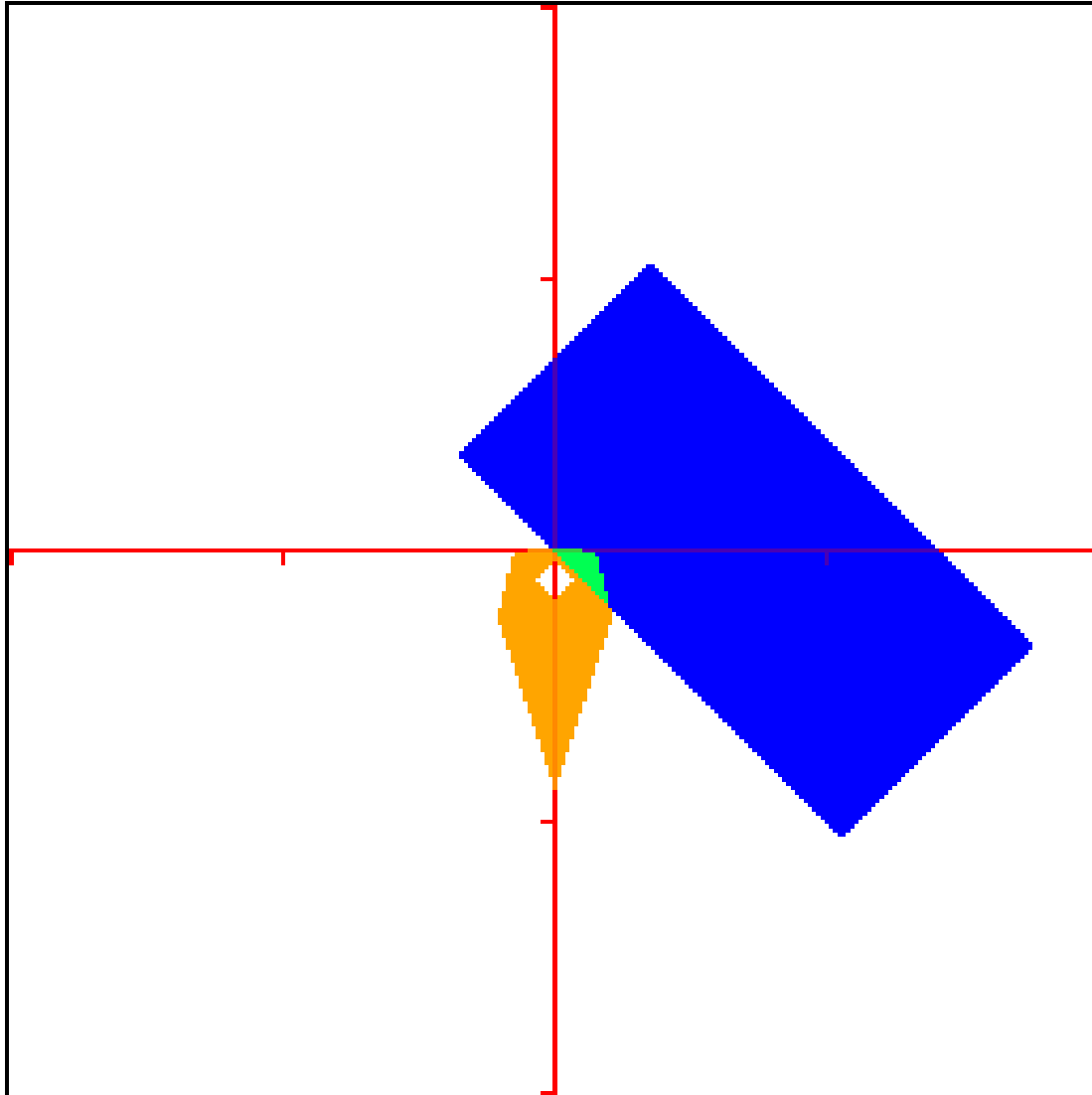
```
1) T -0.5 0
2) R 0.785398
3) F
4) T -0.35355 0
5) R 1.570796
6) F
7) T 0 -0.70710
8) F
9) T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	8385
Common points:	13
Extraneous points:	8372
Missing points:	869
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 2 of 31

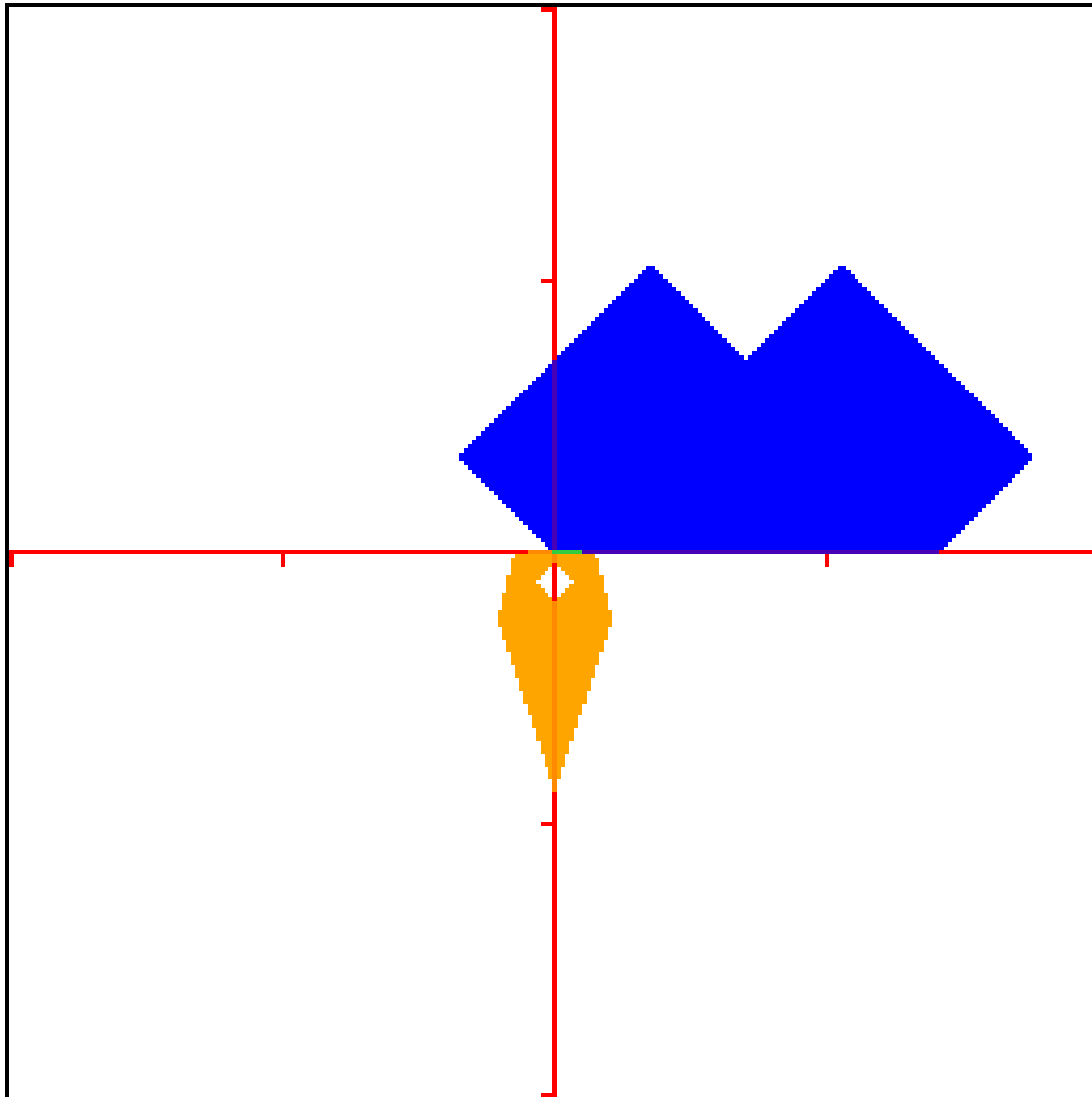
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	8235
Common points:	70
Extraneous points:	8165
Missing points:	812
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 3 of 31

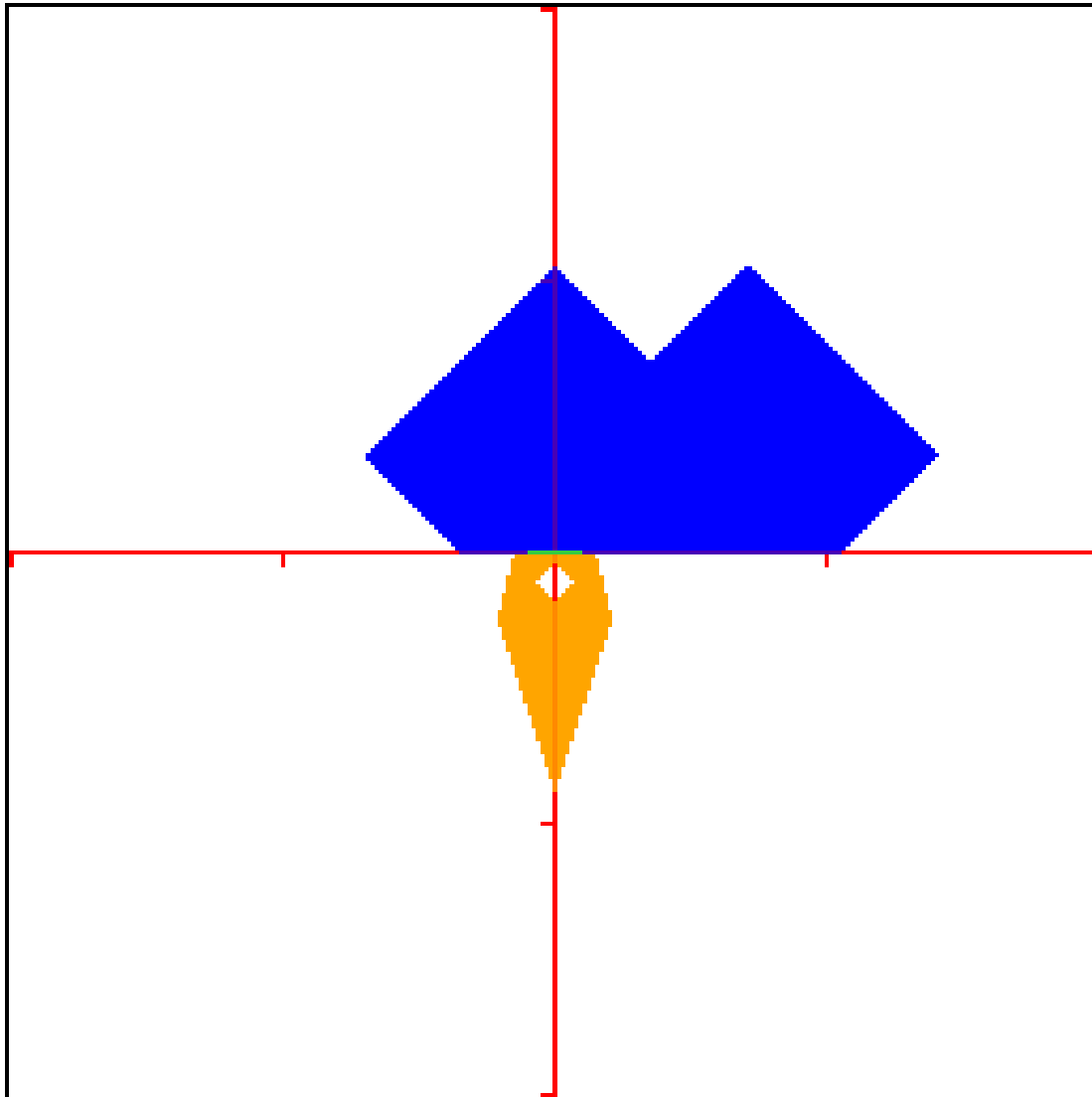
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	6210
Common points:	7
Extraneous points:	6203
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 4 of 31

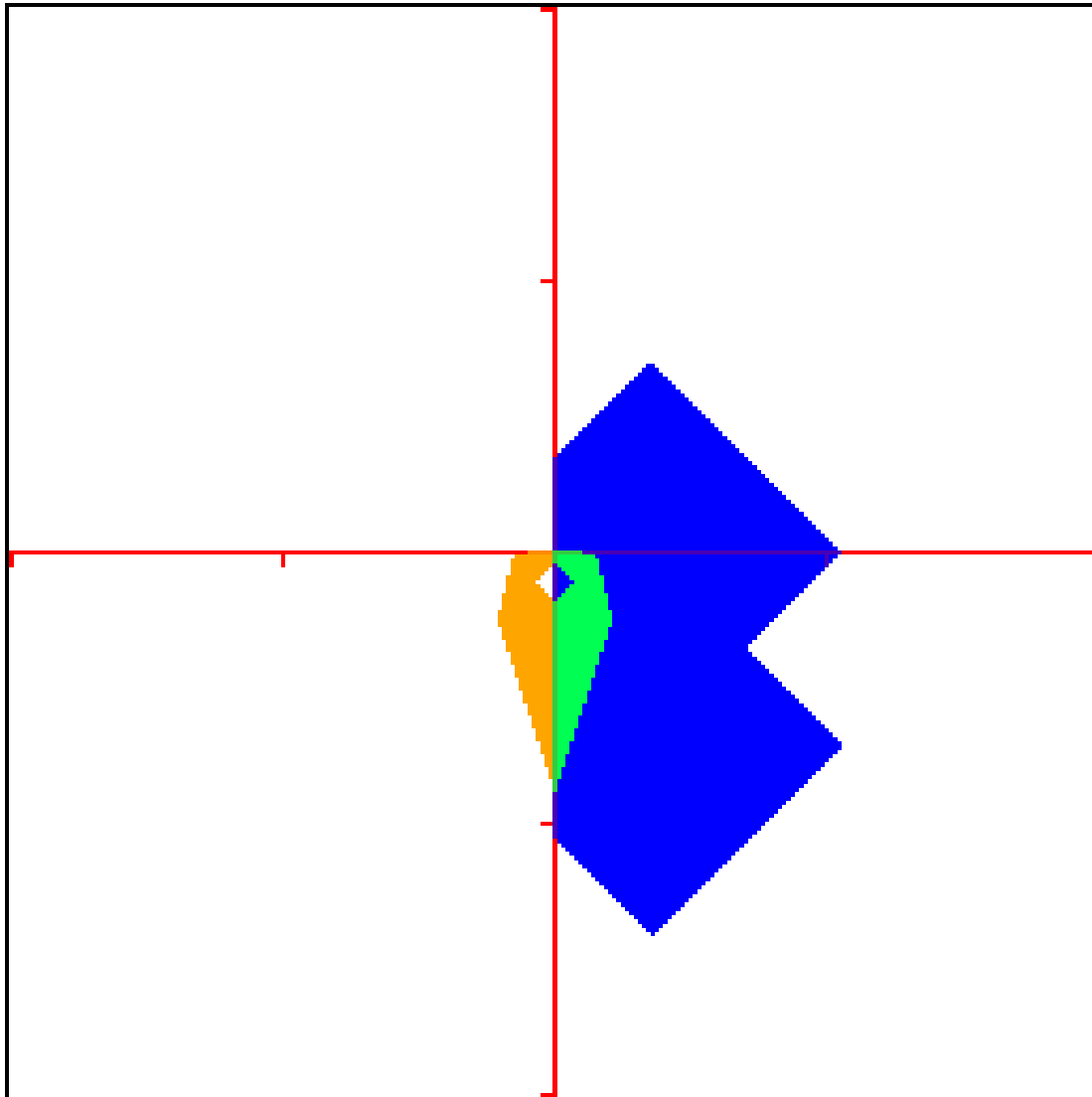
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	6165
Common points:	13
Extraneous points:	6152
Missing points:	869
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 5 of 31

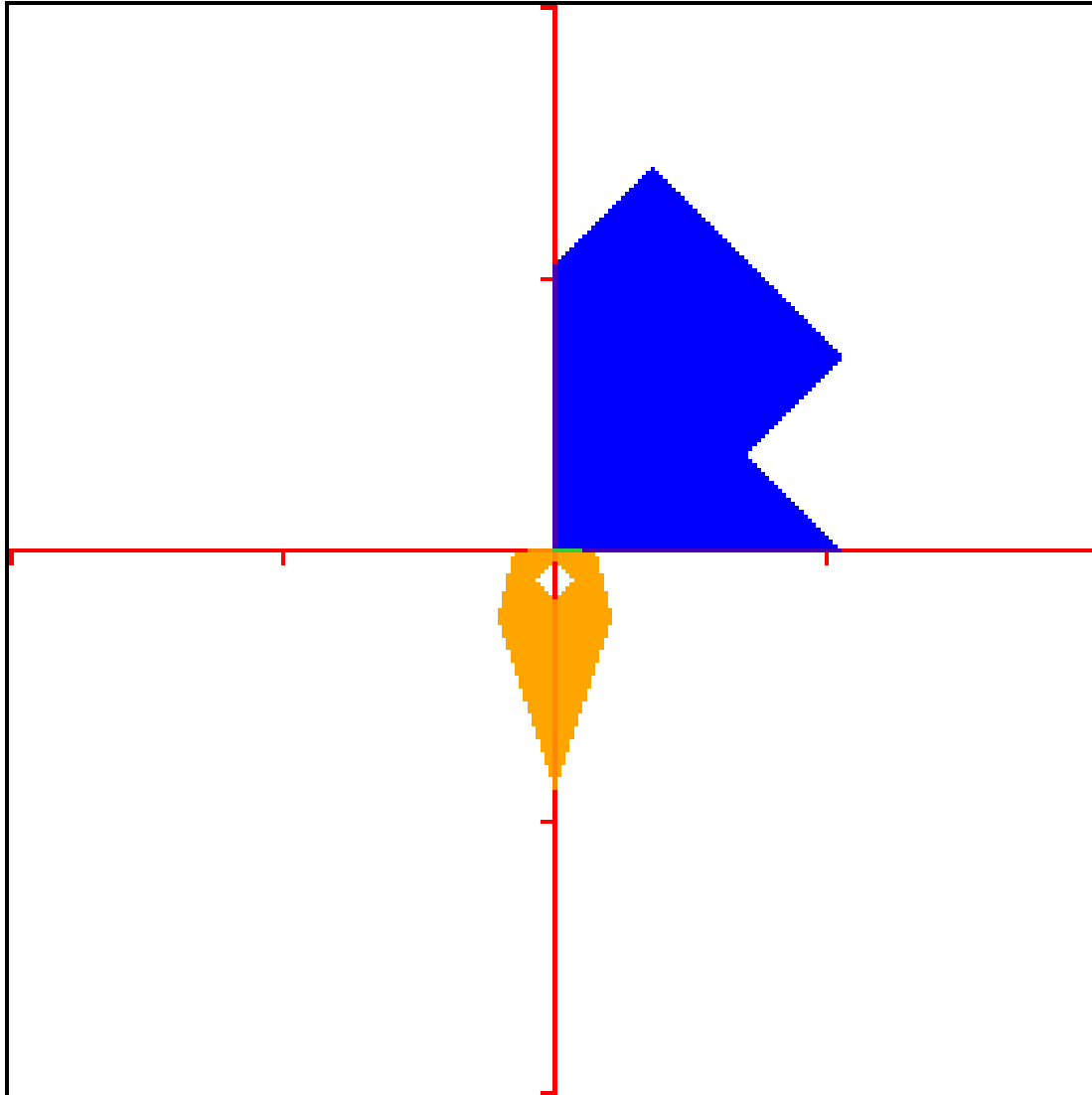
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	6165
Common points:	465
Extraneous points:	5700
Missing points:	417
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 6 of 31

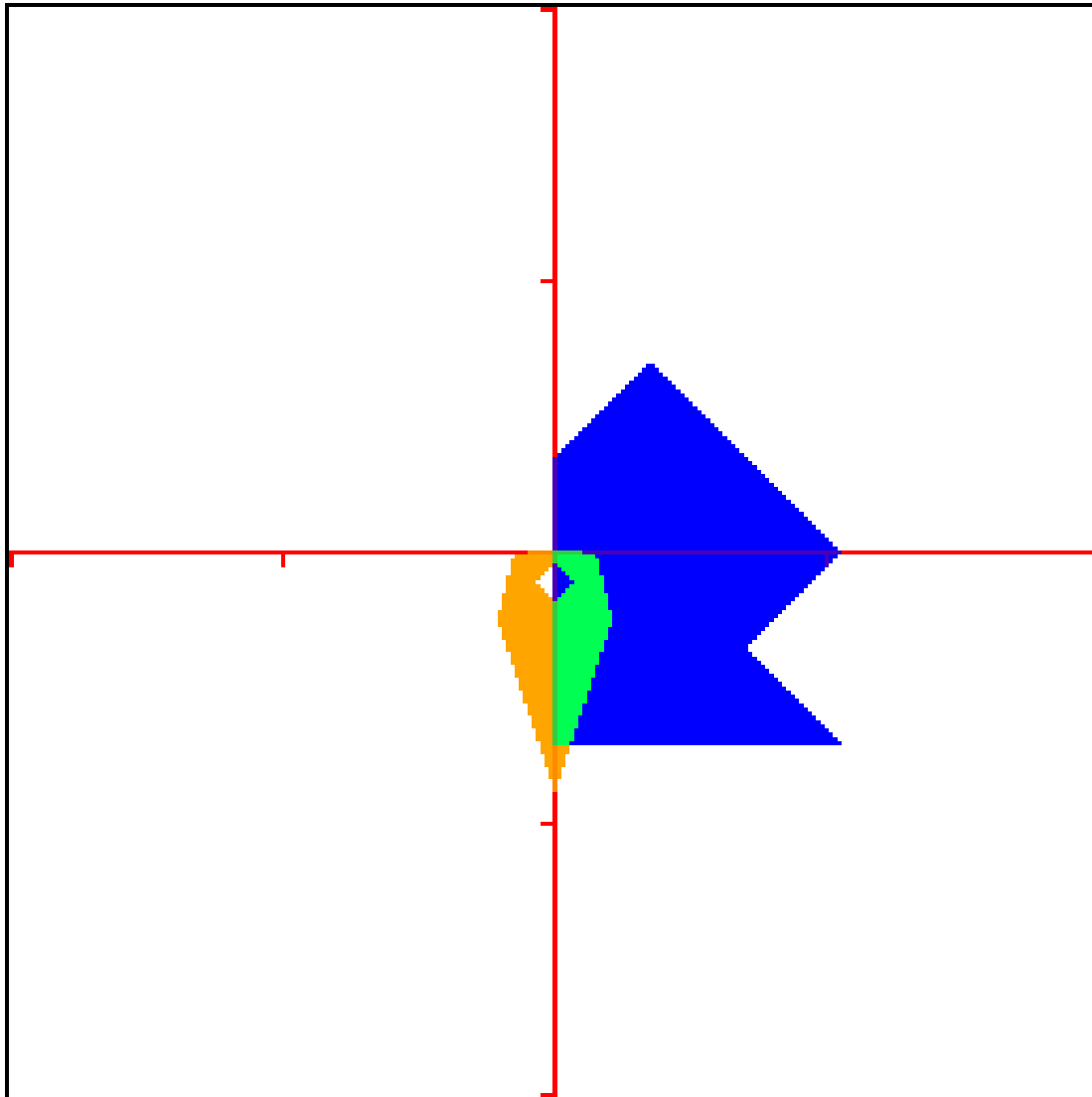
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	4416
Common points:	7
Extraneous points:	4409
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 7 of 31

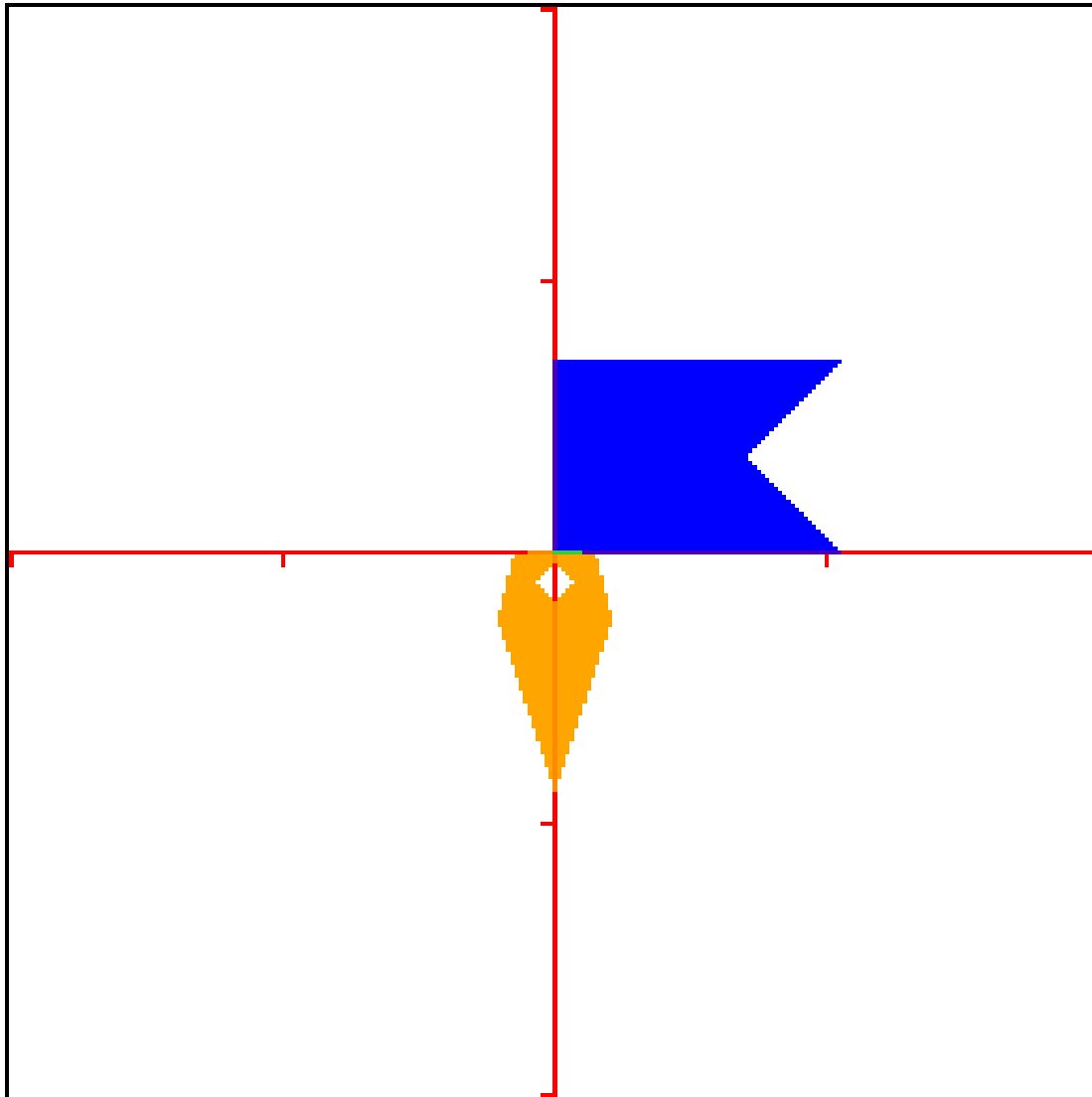
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	4371
Common points:	439
Extraneous points:	3932
Missing points:	443
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 8 of 31

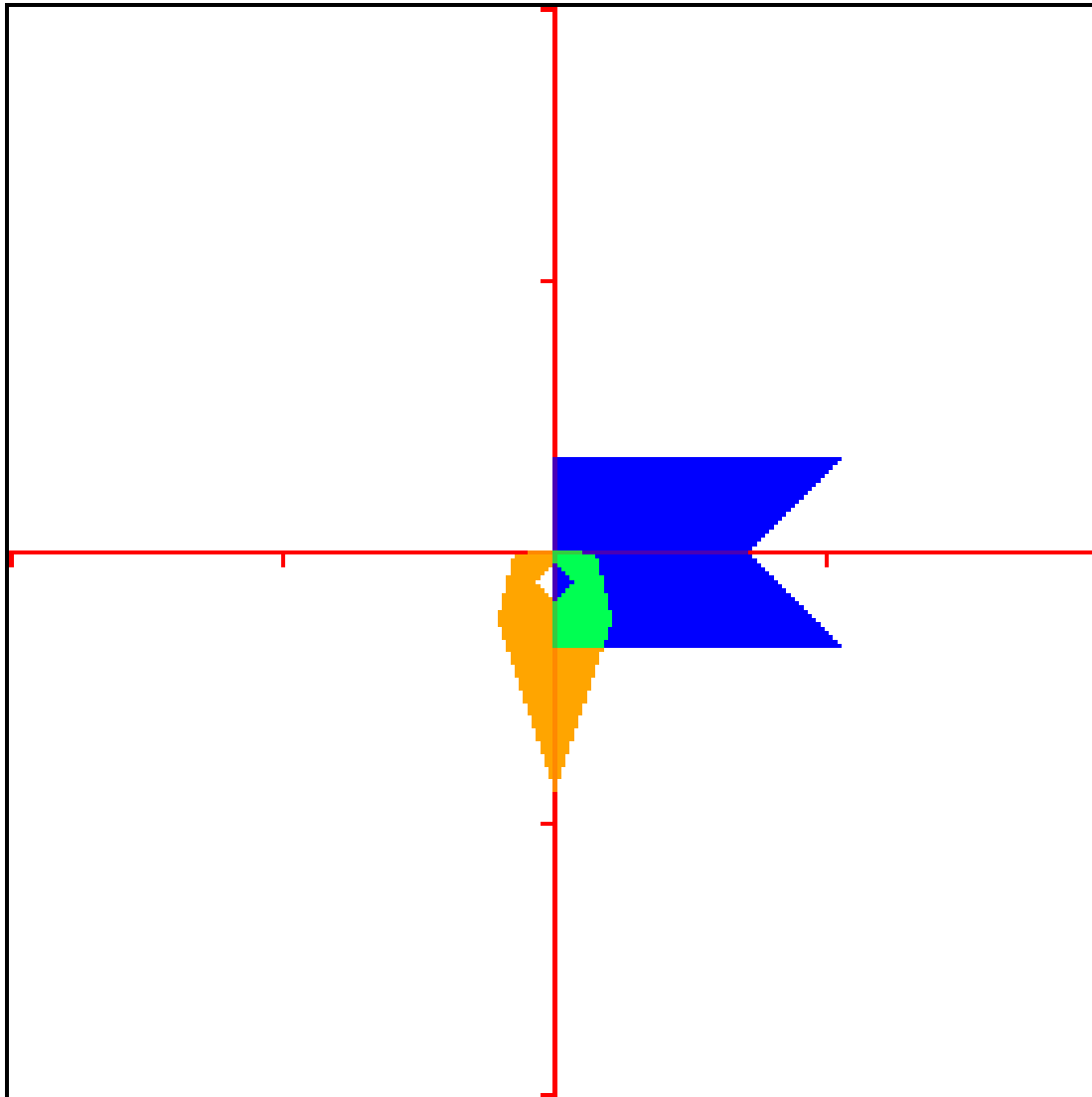
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	2622
Common points:	7
Extraneous points:	2615
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 9 of 31

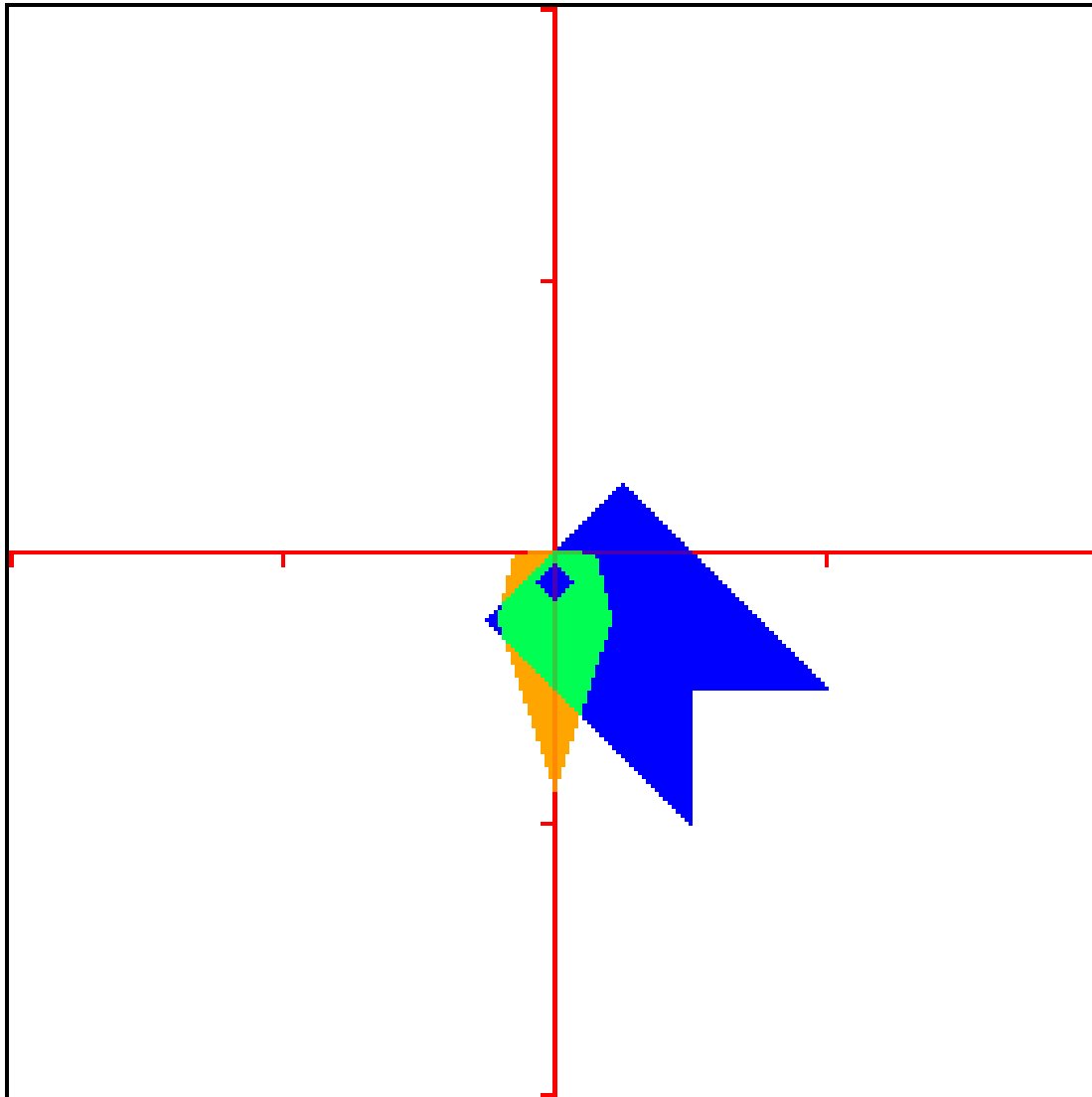
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
...
```

Original points:	882
Submission points:	2576
Common points:	255
Extraneous points:	2321
Missing points:	627
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 10 of 31

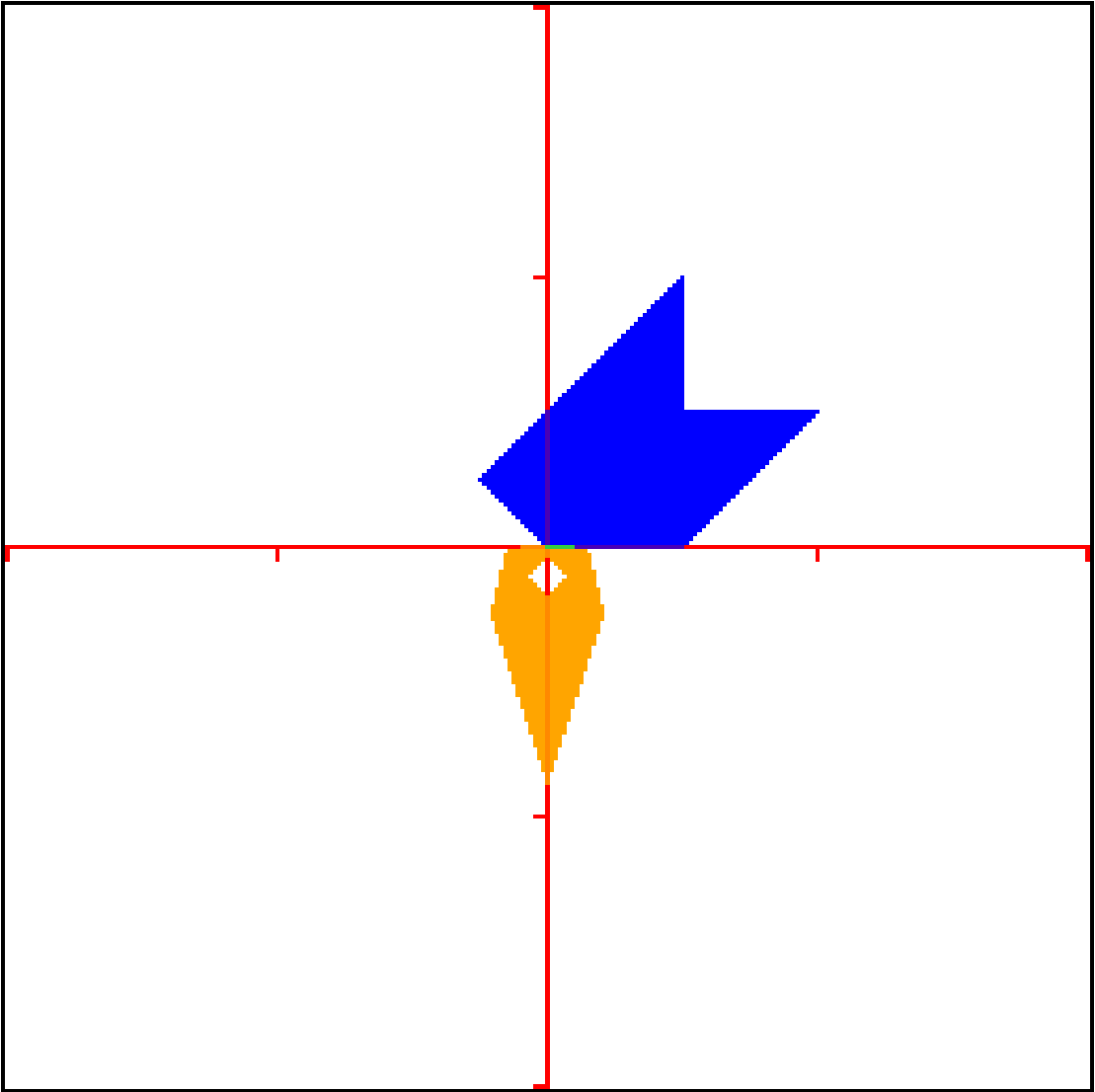
```
1)  T -0.5 0
2)  R 0.785398
3)  F
4)  T -0.35355 0
5)  R 1.570796
6)  F
7)  T 0 -0.70710
8)  F
9)  T 0 -0.35355
10) R 0.785398
```

...

Original points:	882
Submission points:	2657
Common points:	609
Extraneous points:	2048
Missing points:	273
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape
Submission: ./Samples/needle.op



Operation 11 of 31

...

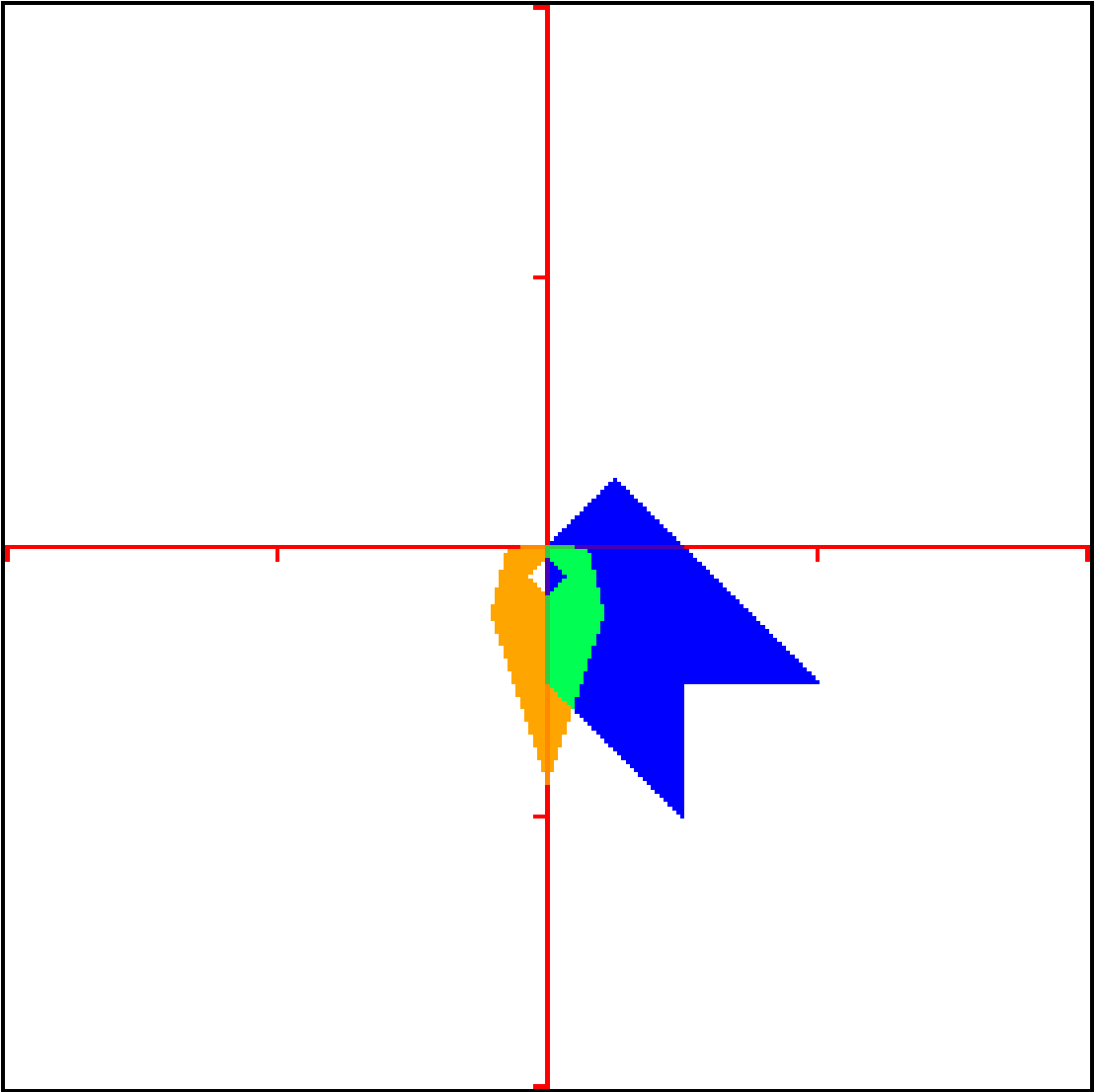
11)	F
12)	R 1.570796
13)	F
14)	R 0.785398
15)	R -0.32175
16)	F
17)	R 0.643501
18)	F
19)	R 0.321750
20)	R 0.231823

...

Original points:	882
Submission points:	2401
Common points:	7
Extraneous points:	2394
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape
Submission: ./Samples/needle.op



Operation 12 of 31

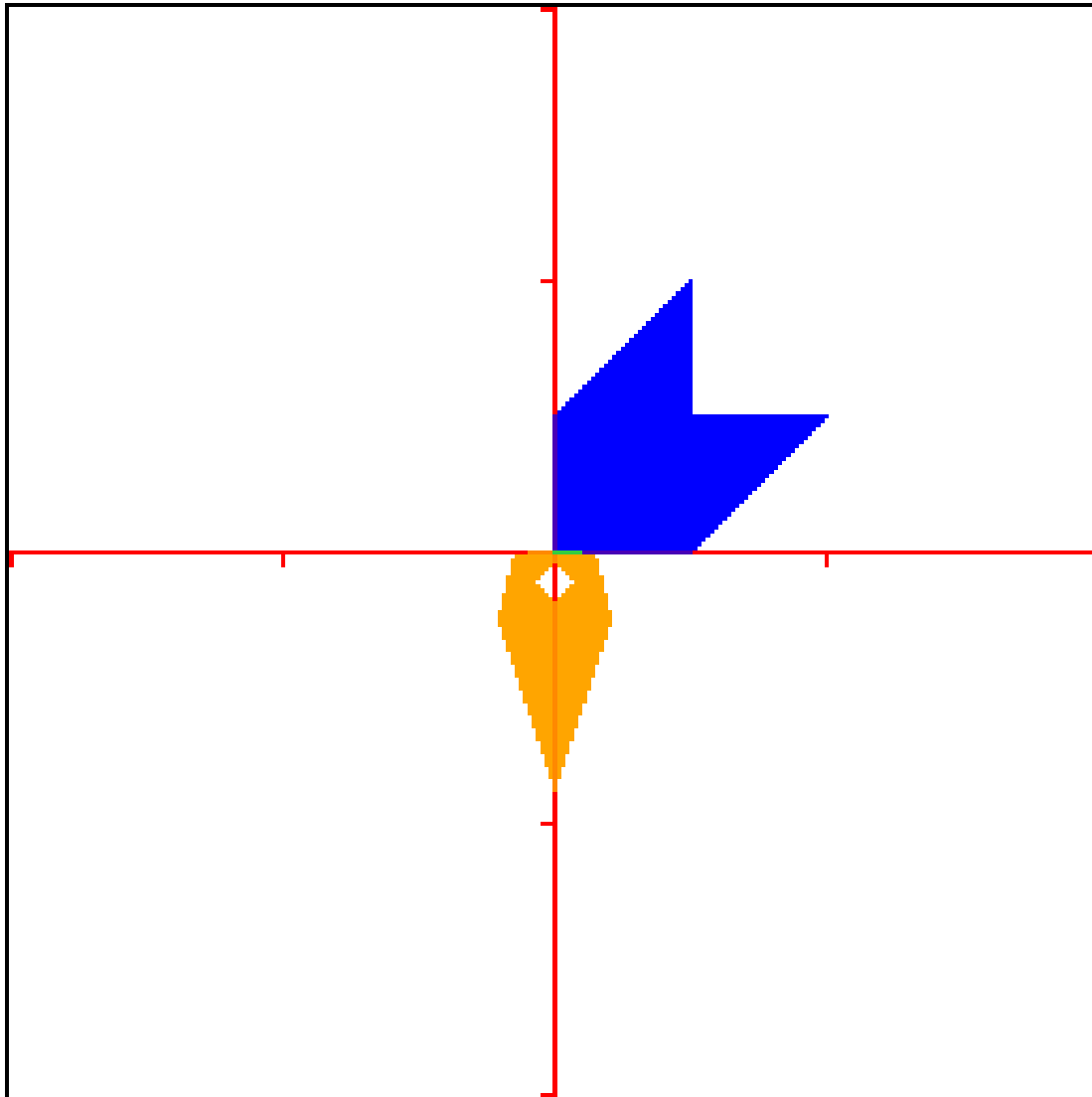
...	
11)	F
12)	R 1.570796
13)	F
14)	R 0.785398
15)	R -0.32175
16)	F
17)	R 0.643501
18)	F
19)	R 0.321750
20)	R 0.231823
...	

Original points:	882
Submission points:	2401
Common points:	381
Extraneous points:	2020
Missing points:	501
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 13 of 31

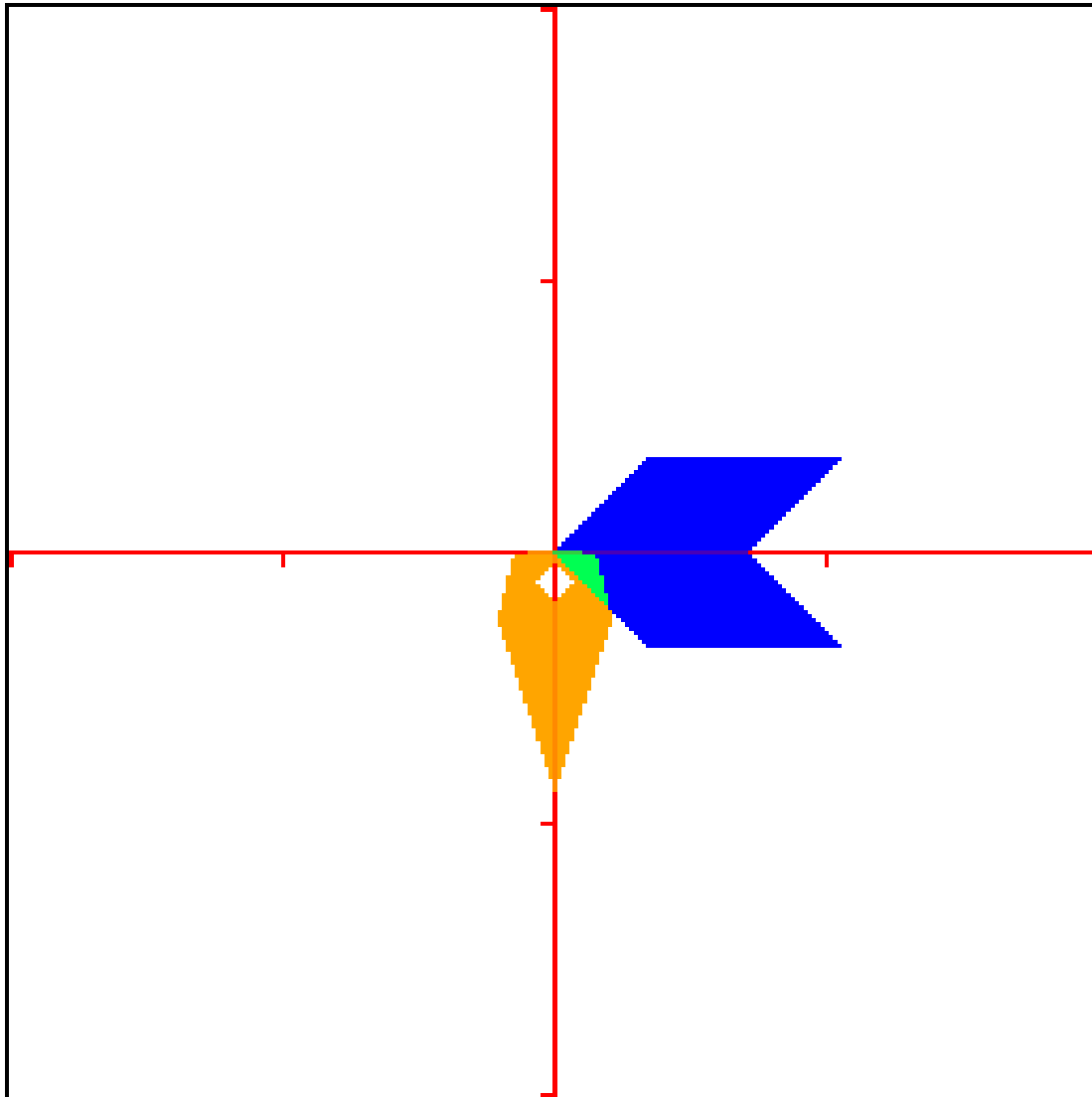
```
...
11)  F
12)  R 1.570796
13)  F
14)  R 0.785398
15)  R -0.32175
16)  F
17)  R 0.643501
18)  F
19)  R 0.321750
20)  R 0.231823
...
```

Original points:	882
Submission points:	2145
Common points:	7
Extraneous points:	2138
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 14 of 31

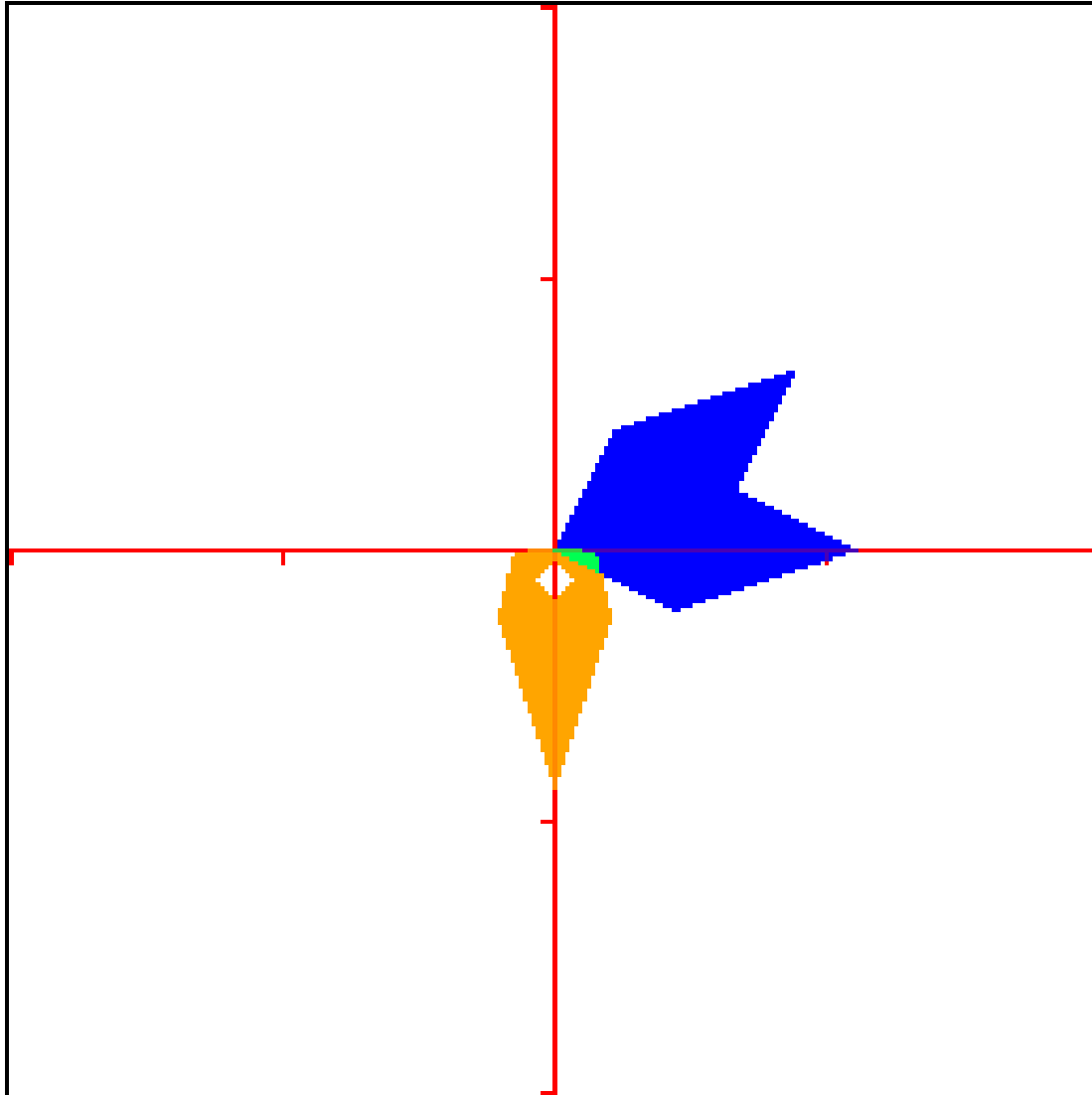
```
...
11)  F
12)  R 1.570796
13)  F
14)  R 0.785398
15)  R -0.32175
16)  F
17)  R 0.643501
18)  F
19)  R 0.321750
20)  R 0.231823
...
```

Original points:	882
Submission points:	2070
Common points:	70
Extraneous points:	2000
Missing points:	812
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 15 of 31

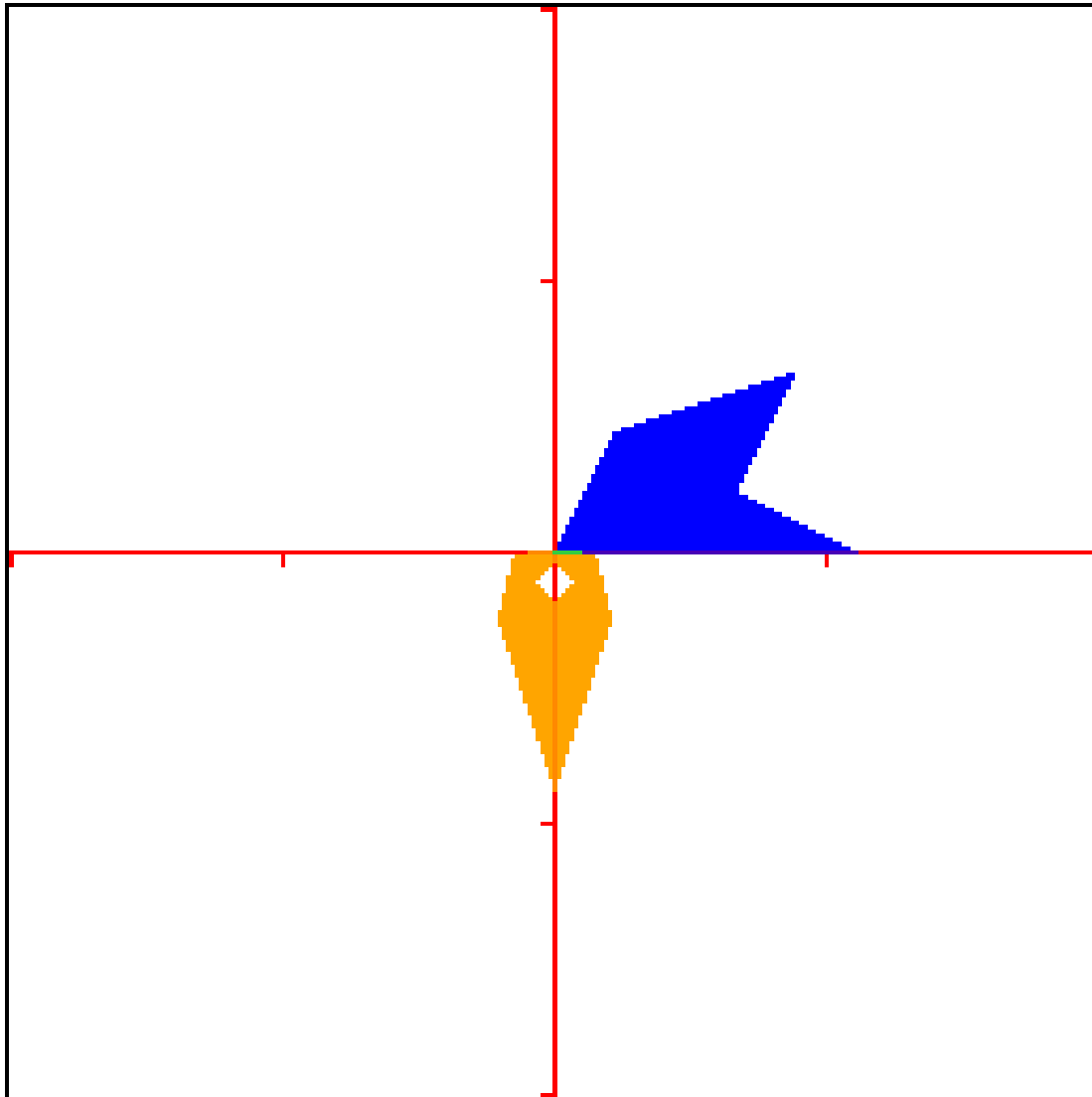
```
...  
11)  F  
12)  R 1.570796  
13)  F  
14)  R 0.785398  
15)  R -0.32175  
16)  F  
17)  R 0.643501  
18)  F  
19)  R 0.321750  
20)  R 0.231823  
...
```

Original points:	882
Submission points:	2060
Common points:	31
Extraneous points:	2029
Missing points:	851
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 16 of 31

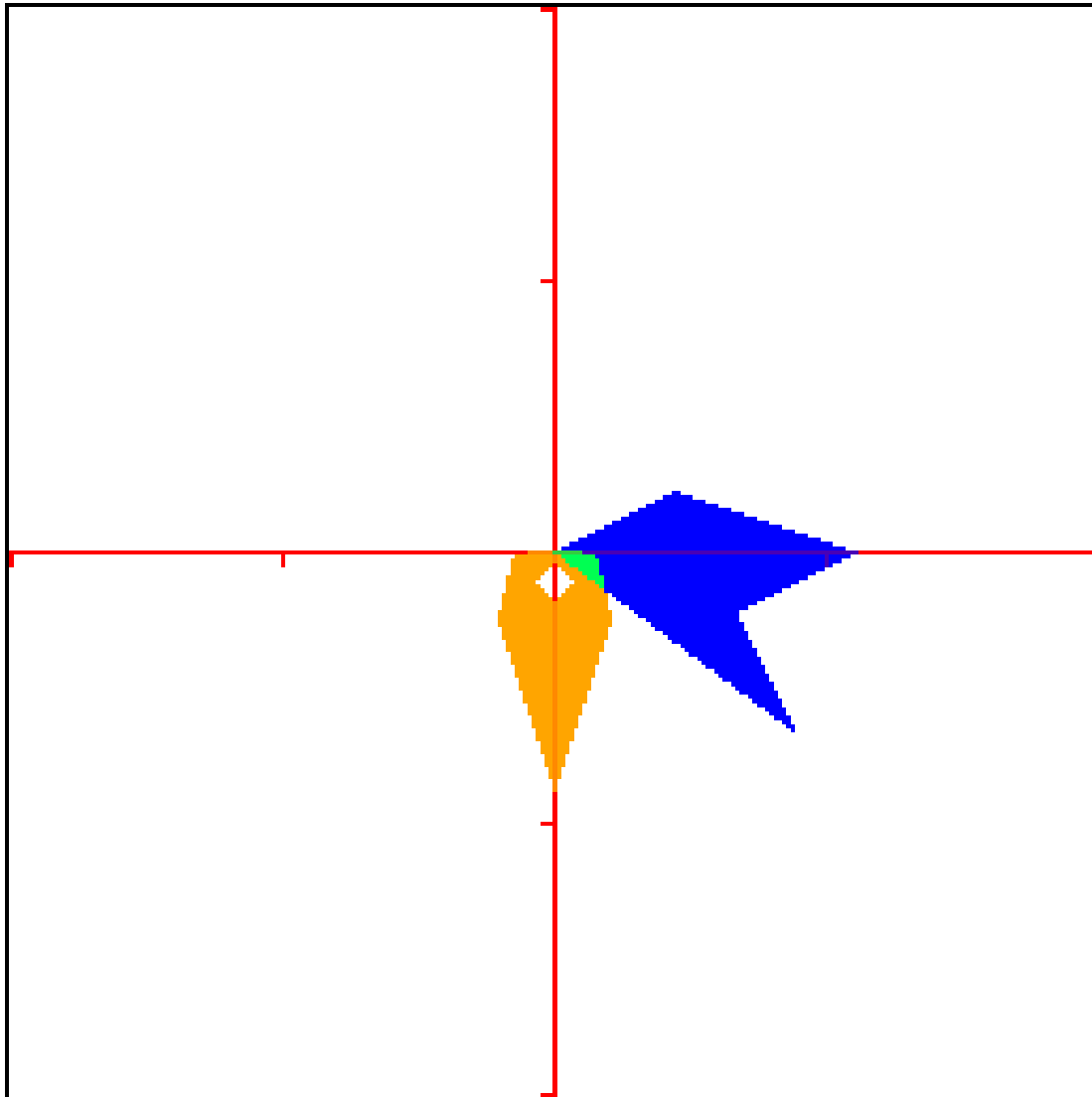
```
...  
11)  F  
12)  R 1.570796  
13)  F  
14)  R 0.785398  
15)  R -0.32175  
16)  F  
17)  R 0.643501  
18)  F  
19)  R 0.321750  
20)  R 0.231823  
...
```

Original points:	882
Submission points:	1577
Common points:	7
Extraneous points:	1570
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 17 of 31

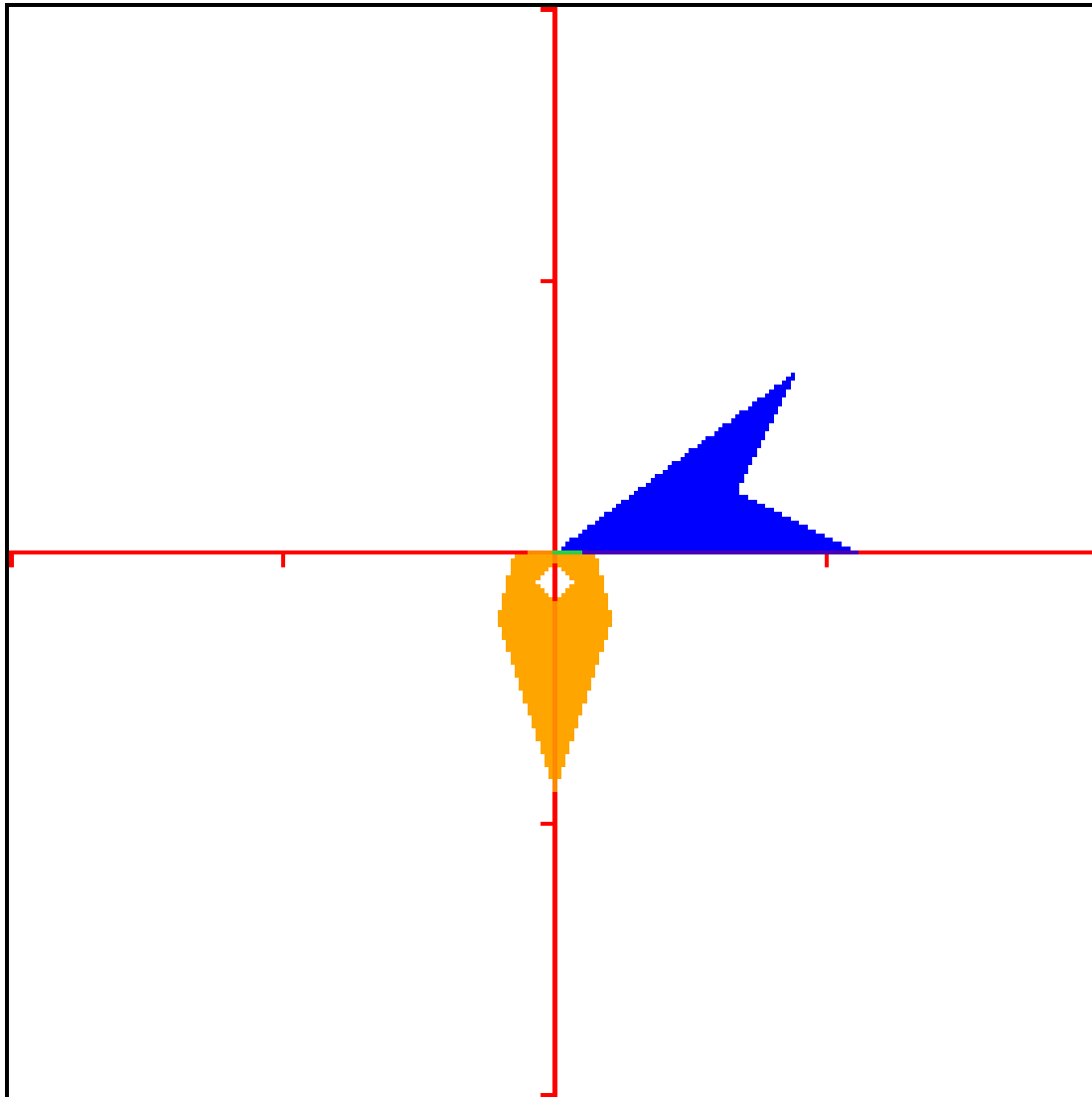
```
...
11)  F
12)  R 1.570796
13)  F
14)  R 0.785398
15)  R -0.32175
16)  F
17)  R 0.643501
18)  F
19)  R 0.321750
20)  R 0.231823
...
```

Original points:	882
Submission points:	1549
Common points:	46
Extraneous points:	1503
Missing points:	836
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 18 of 31

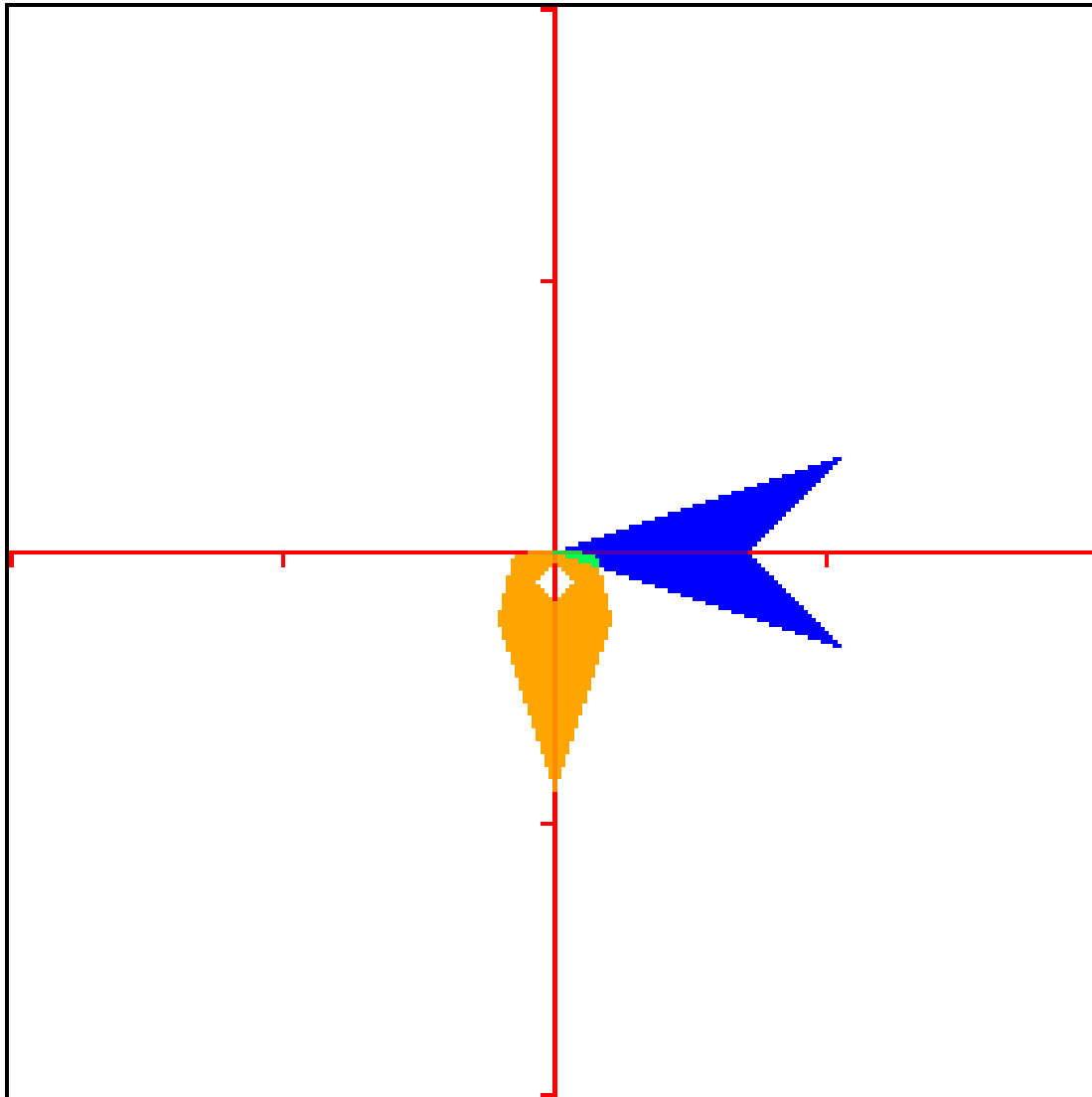
```
...
11)  F
12)  R 1.570796
13)  F
14)  R 0.785398
15)  R -0.32175
16)  F
17)  R 0.643501
18)  F
19)  R 0.321750
20)  R 0.231823
...
```

Original points:	882
Submission points:	1066
Common points:	7
Extraneous points:	1059
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 19 of 31

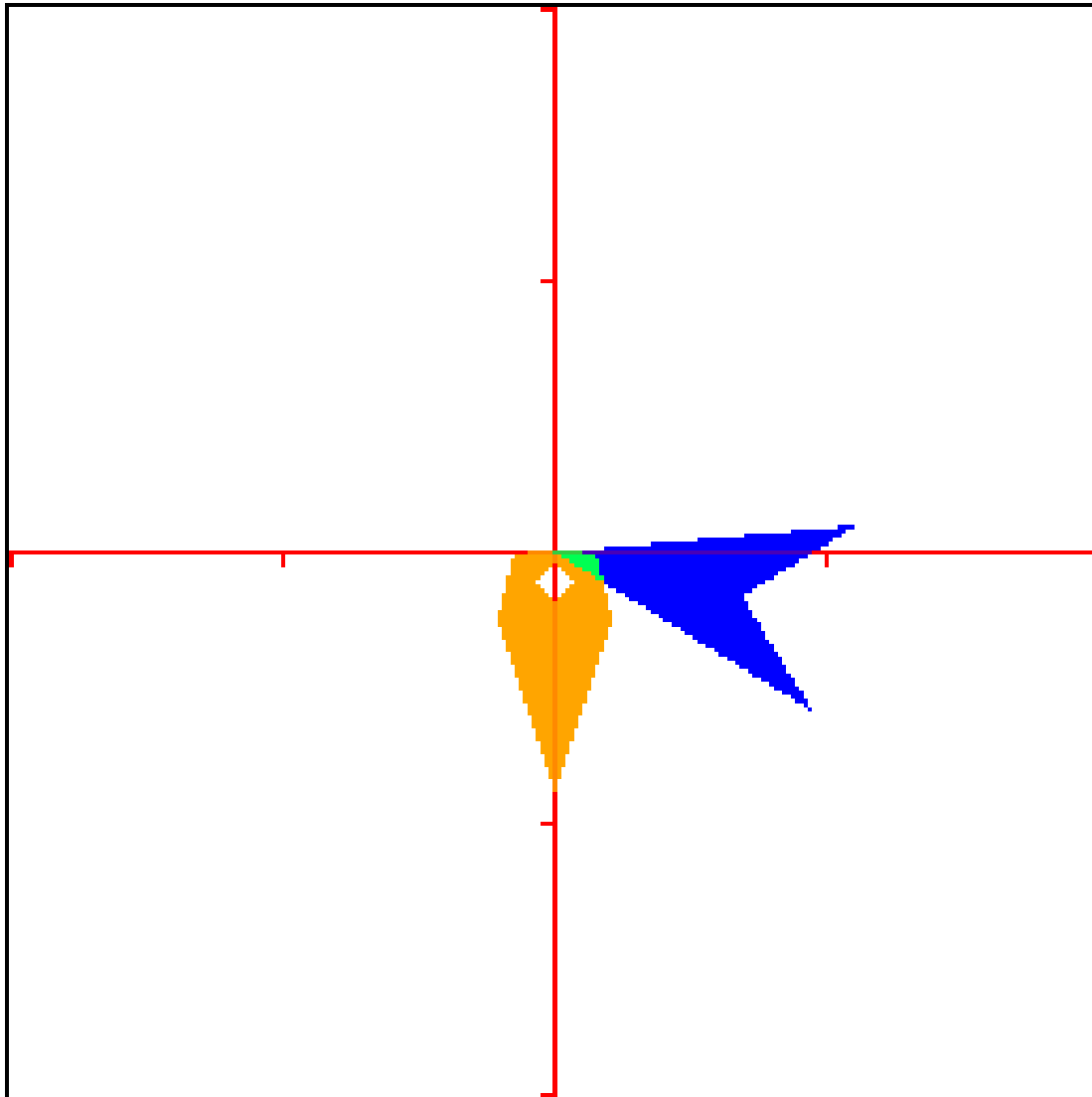
```
...
11)  F
12)  R 1.570796
13)  F
14)  R 0.785398
15)  R -0.32175
16)  F
17)  R 0.643501
18)  F
19)  R 0.321750
20)  R 0.231823
...
```

Original points:	882
Submission points:	1058
Common points:	21
Extraneous points:	1037
Missing points:	861
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 20 of 31

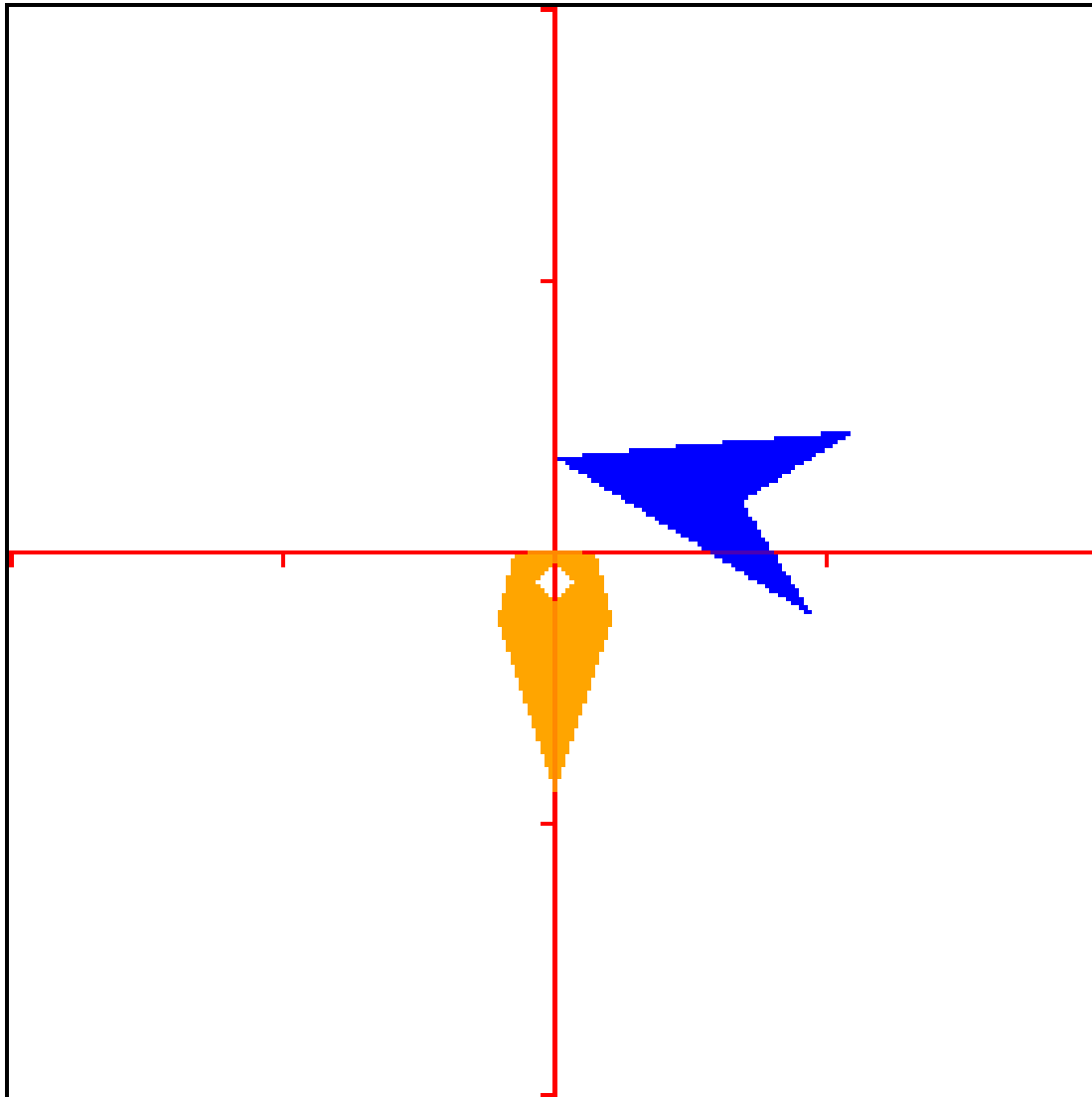
```
...  
11)  F  
12)  R 1.570796  
13)  F  
14)  R 0.785398  
15)  R -0.32175  
16)  F  
17)  R 0.643501  
18)  F  
19)  R 0.321750  
20)  R 0.231823  
...
```

Original points:	882
Submission points:	1025
Common points:	36
Extraneous points:	989
Missing points:	846
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 21 of 31

...

21) T 0 0.35

22) F

23) T 0 -0.35

24) R -0.46364

25) T 0 -0.35

26) F

27) T 0 -0.35

28) R 1.338972

29) T 0 0.88

30) F

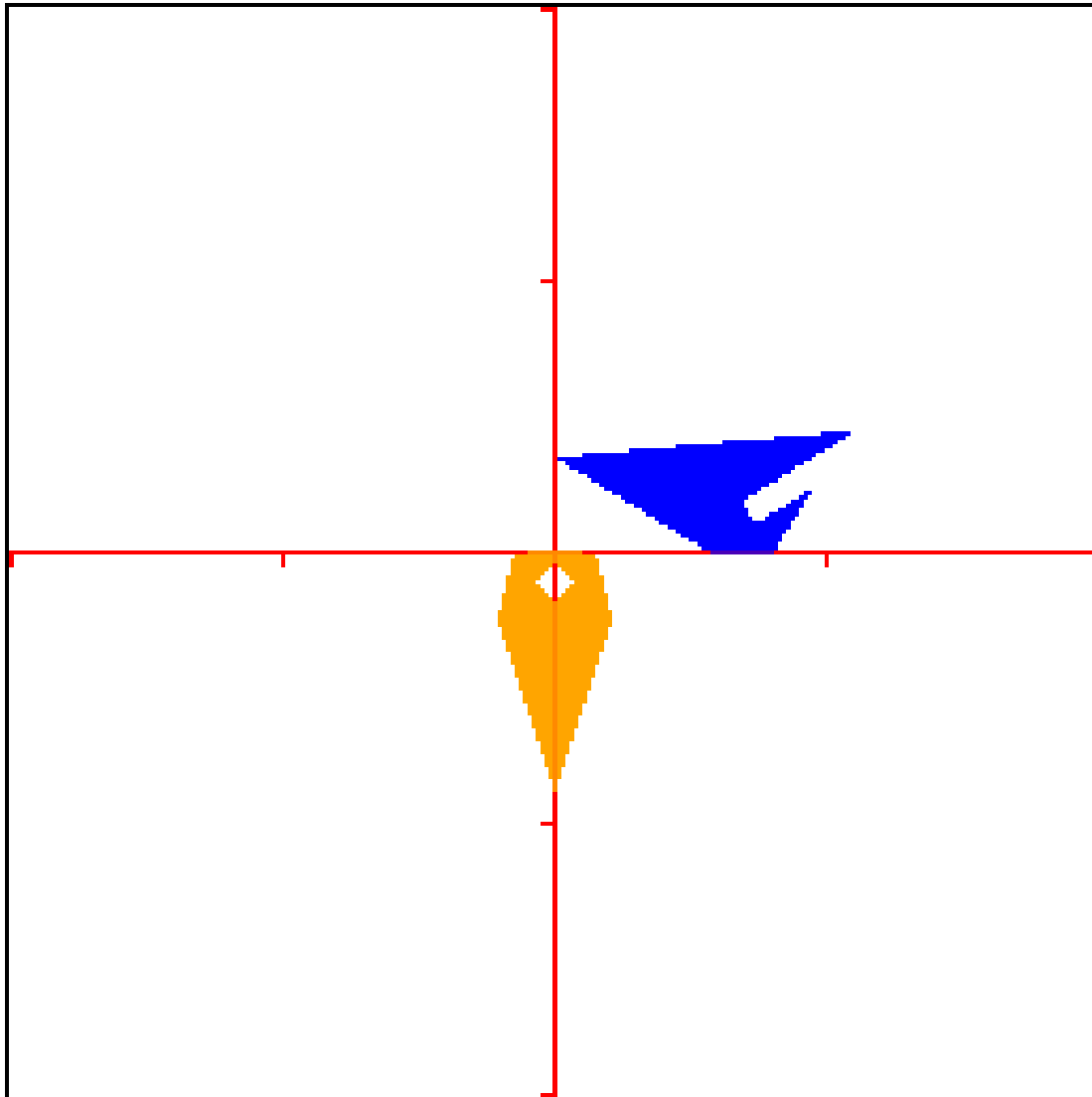
...

Original points:	882
Submission points:	1023
Common points:	0
Extraneous points:	1023
Missing points:	882
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 22 of 31

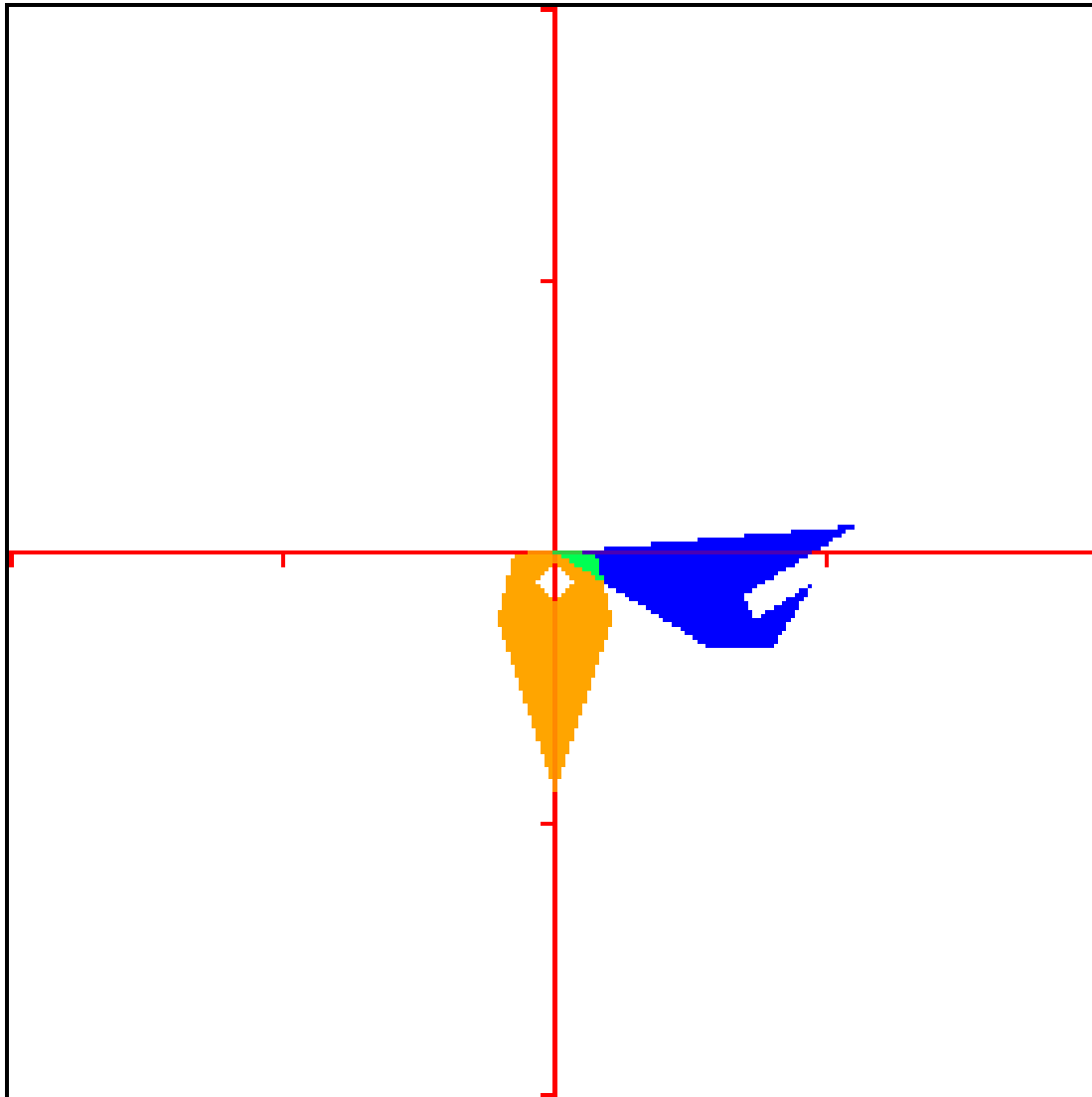
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	979
Common points:	0
Extraneous points:	979
Missing points:	882
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 23 of 31

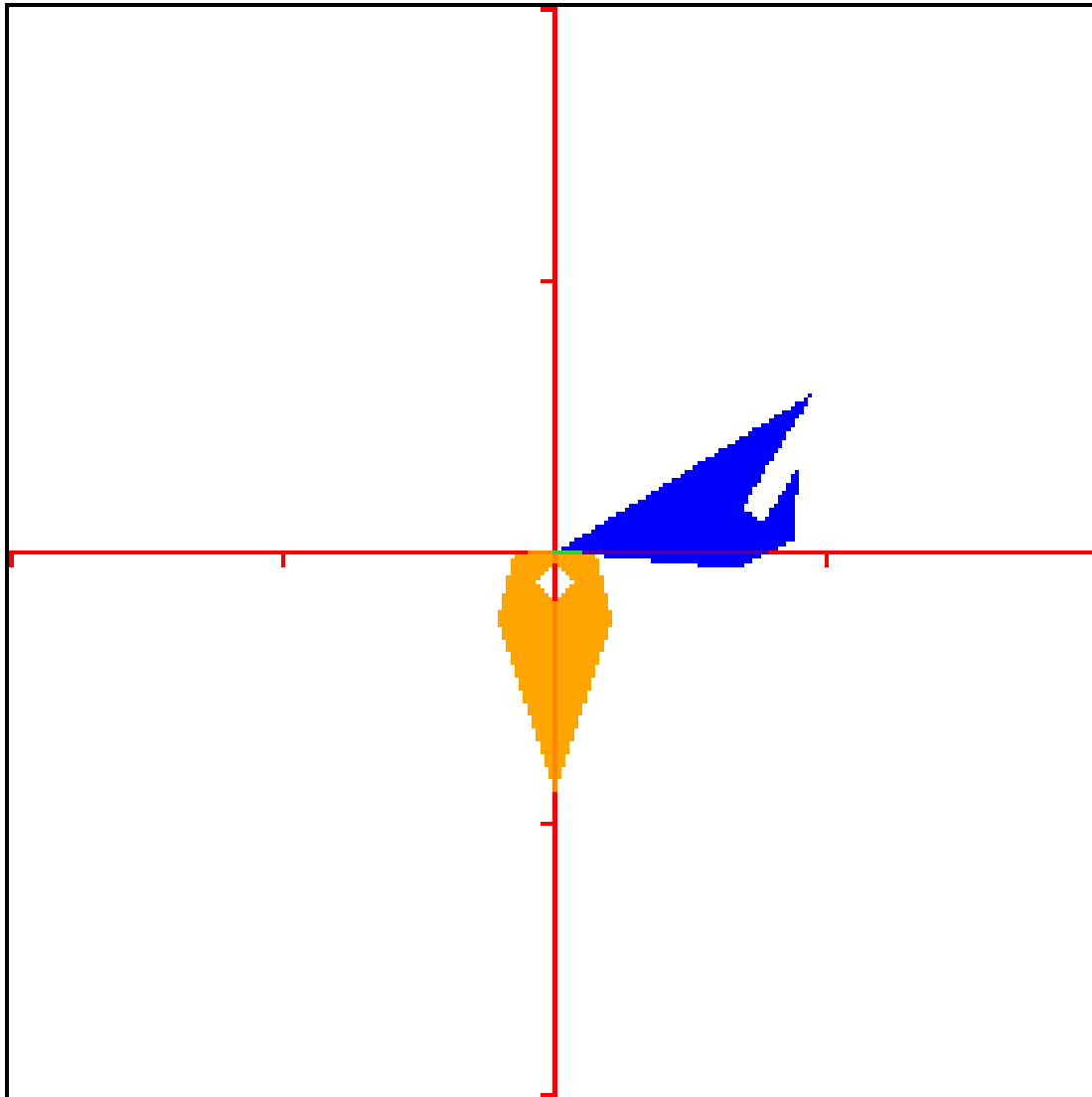
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	975
Common points:	36
Extraneous points:	939
Missing points:	846
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 24 of 31

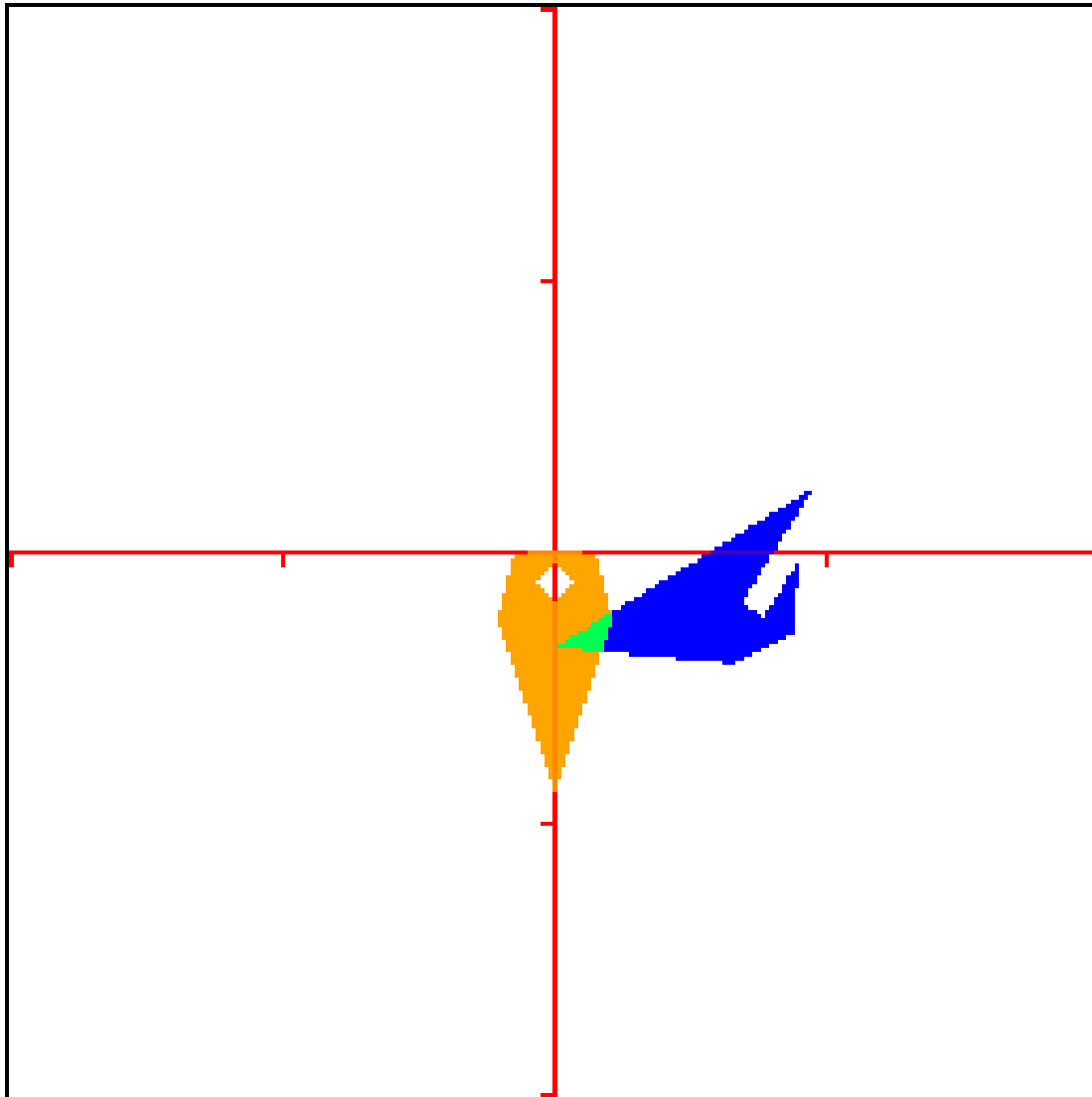
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	977
Common points:	7
Extraneous points:	970
Missing points:	875
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 25 of 31

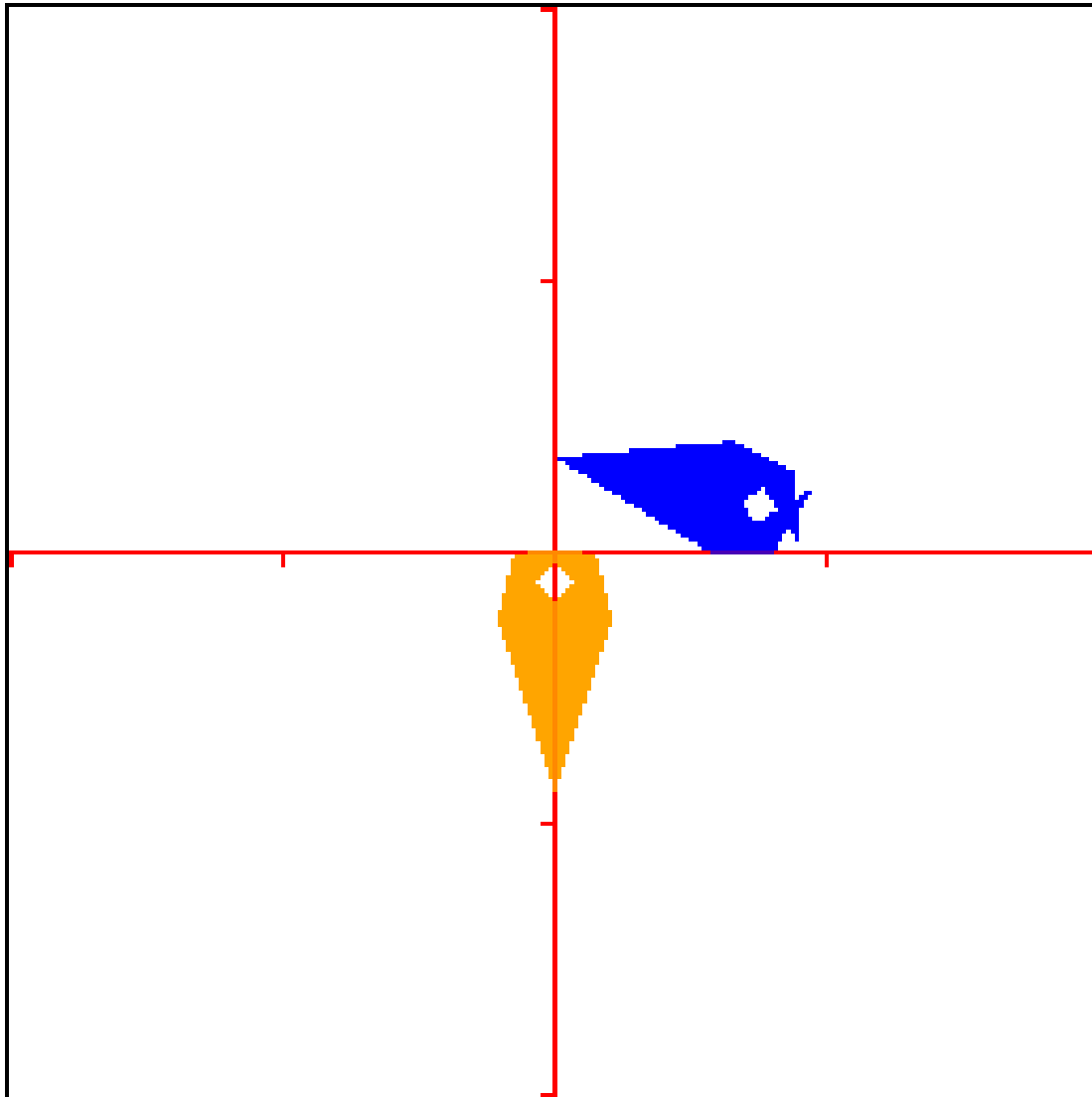
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	971
Common points:	56
Extraneous points:	915
Missing points:	826
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 26 of 31

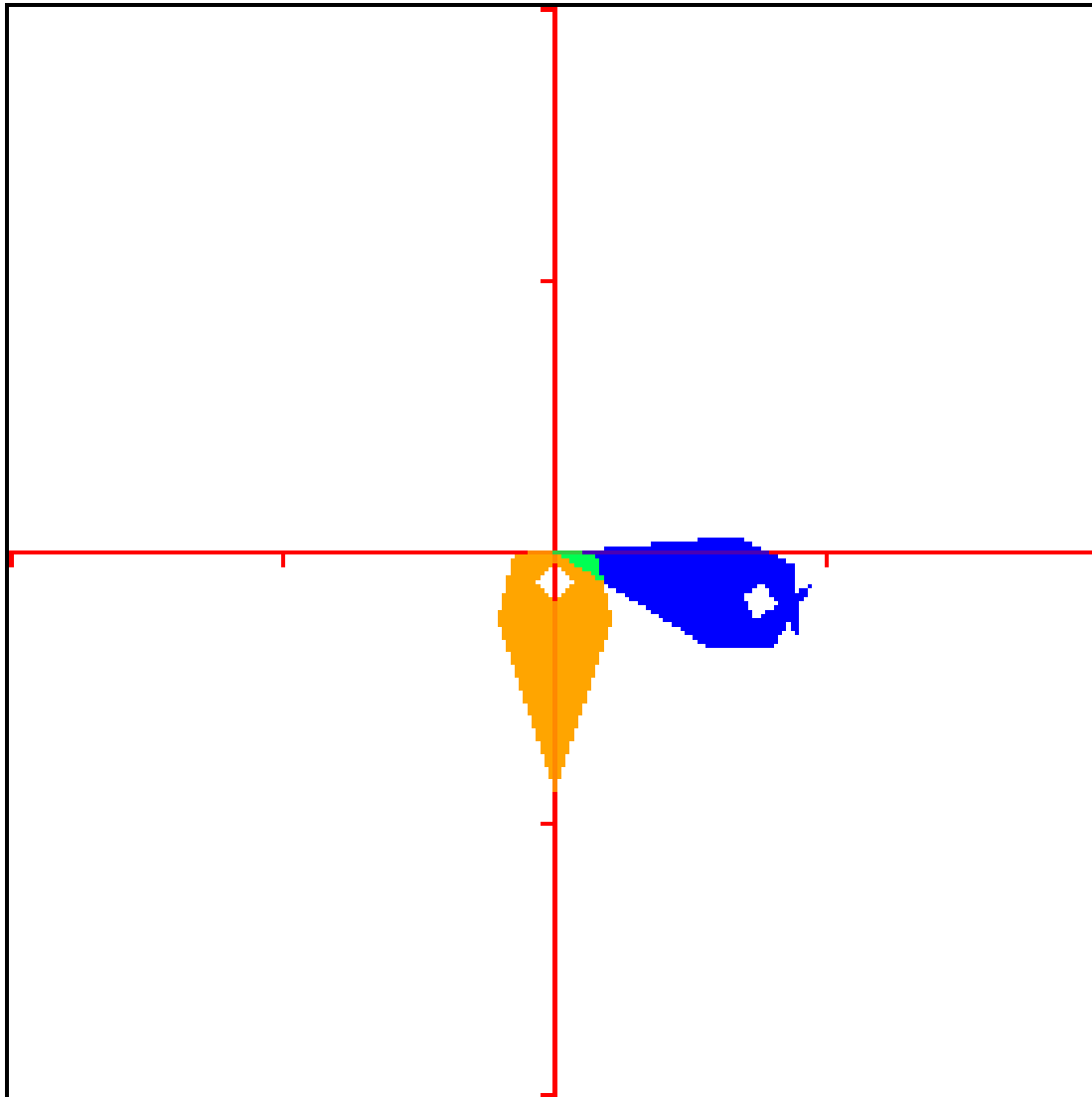
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	912
Common points:	0
Extraneous points:	912
Missing points:	882
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 27 of 31

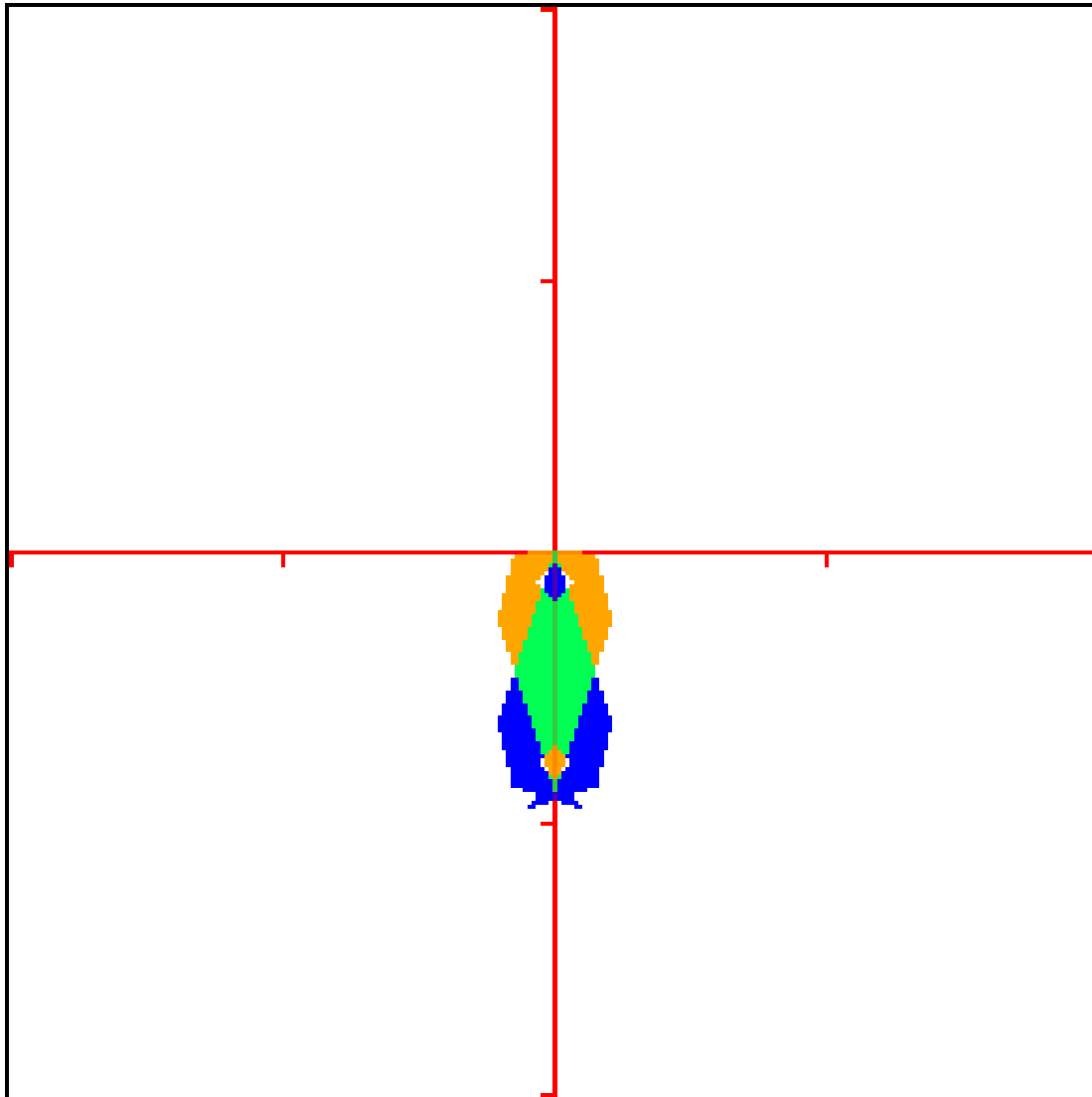
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	912
Common points:	36
Extraneous points:	876
Missing points:	846
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 28 of 31

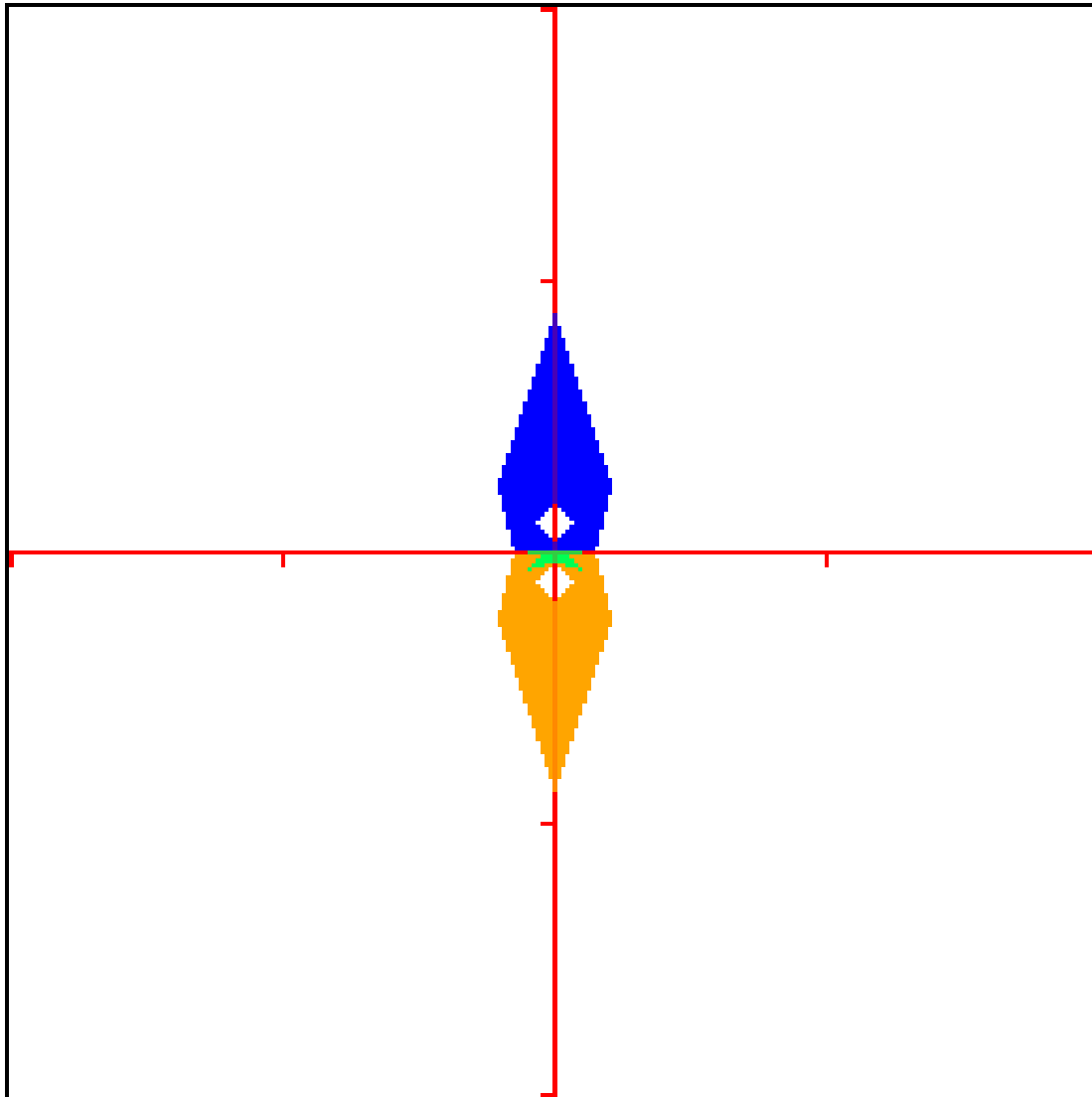
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	925
Common points:	486
Extraneous points:	439
Missing points:	396
Score:	0.053288

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 29 of 31

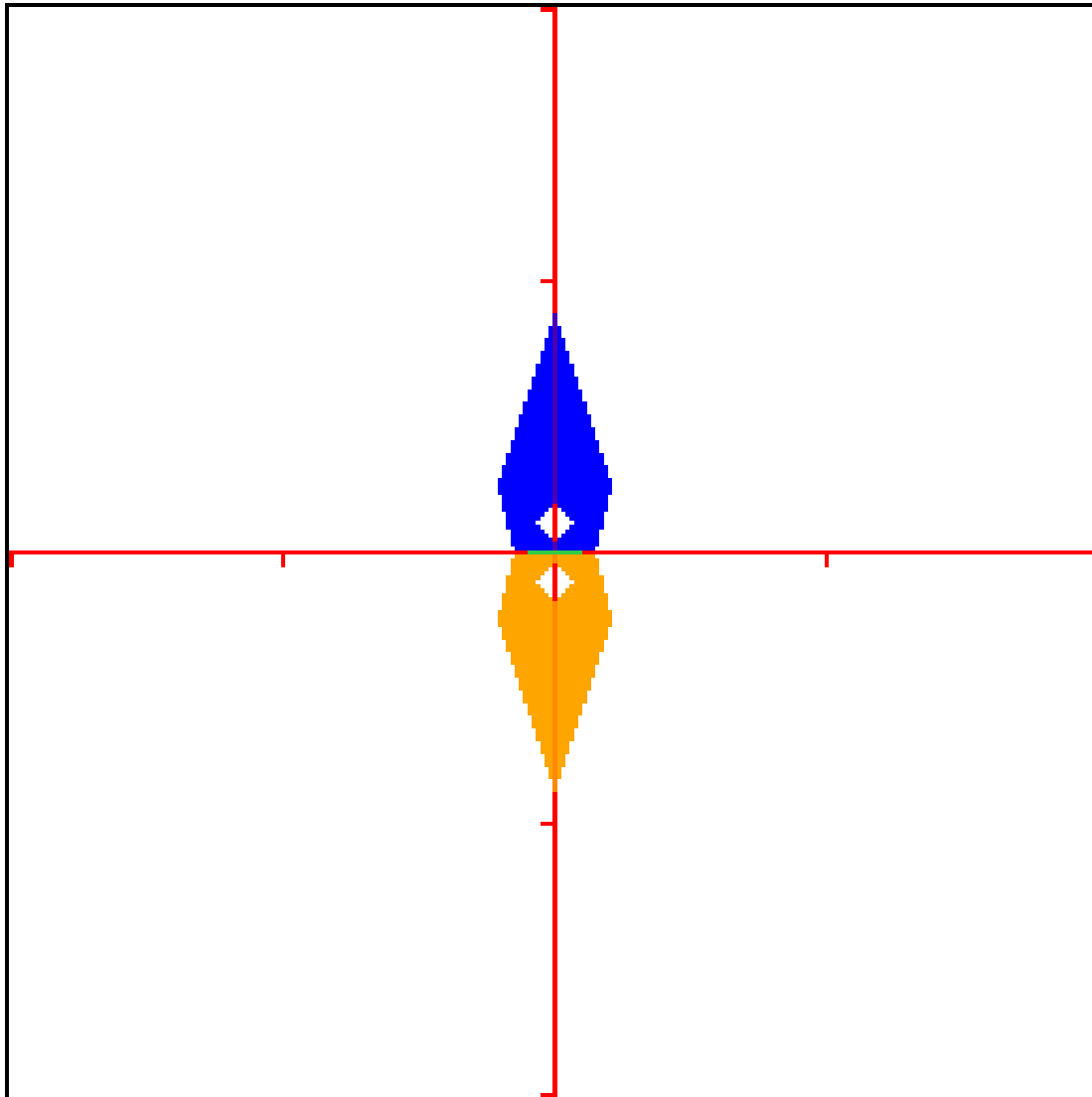
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	906
Common points:	37
Extraneous points:	869
Missing points:	845
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 30 of 31

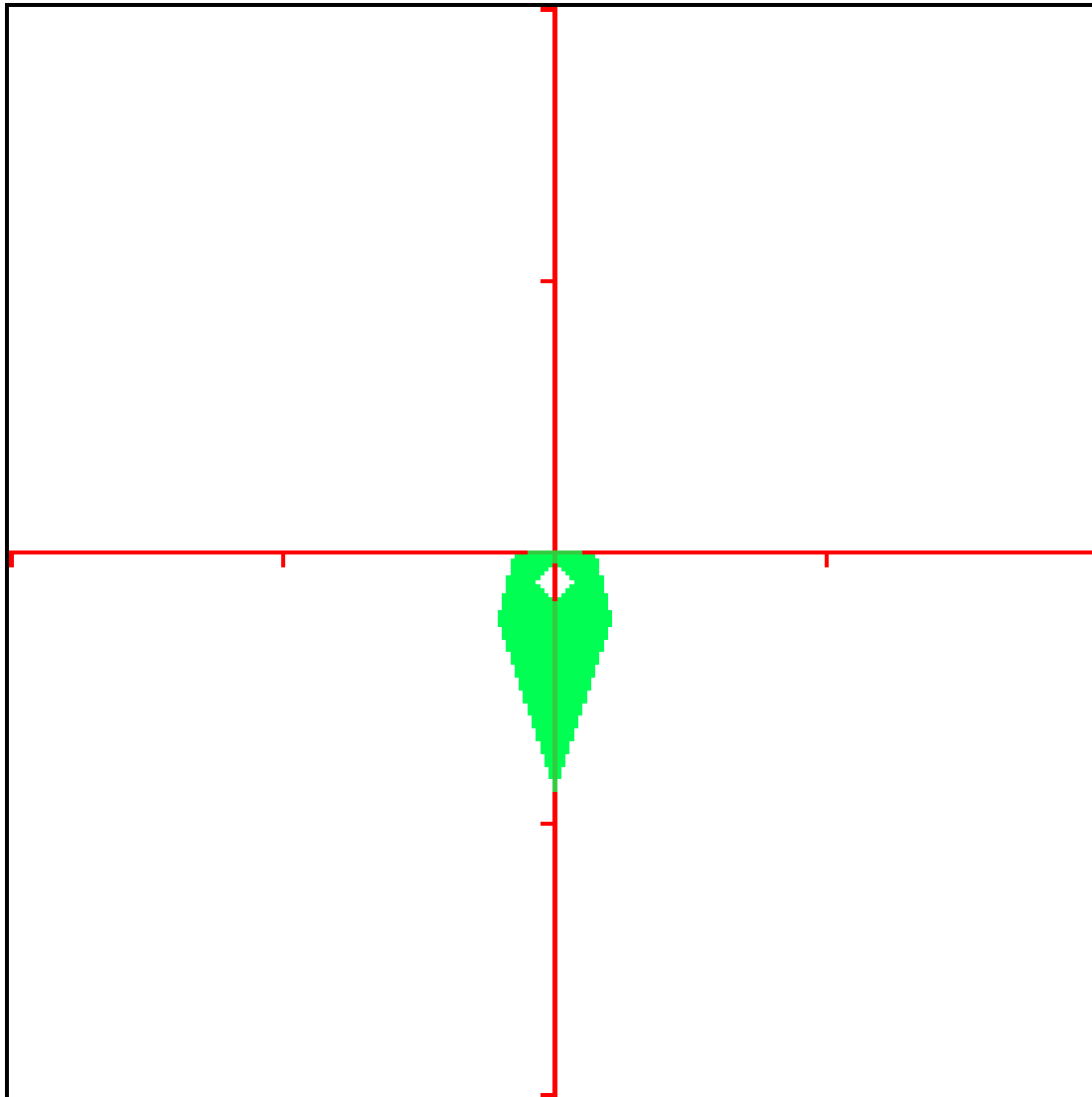
```
...
21)  T 0 0.35
22)  F
23)  T 0 -0.35
24)  R -0.46364
25)  T 0 -0.35
26)  F
27)  T 0 -0.35
28)  R 1.338972
29)  T 0 0.88
30)  F
...
```

Original points:	882
Submission points:	882
Common points:	13
Extraneous points:	869
Missing points:	869
Score:	0.000000

Origasmi

Original: ./Samples/needle.shape

Submission: ./Samples/needle.op



Operation 31 of 31

31) R 3.141592

Original points:	882
Submission points:	882
Common points:	882
Extraneous points:	0
Missing points:	0
Score:	1.000000