

CMPT 212 (2008-1) Assignment 2 — Evaluation

Ján Maňuch
jmanuch@sfu.ca

1 Test files

Here are the 8 test files including the point distributions. Each line containing points in the parenthesis was checked for correctness.

1.1 Test 1 (basic public test) 10 points

```
1 A: {} (0.5 point(s))
2 A: {-199,20,37,305,10345} (1 point(s))
3 305 is a member of A: true (0.5 point(s))
4 A: {-199,20,37,10345} (1 point(s))
5 305 is a member of A: false (0.5 point(s))
6 Number of elements of B: 100 (0.5 point(s))
7 C: {-199,20,37,10345} (1 point(s))
8 C: {20,37} (1 point(s))
9 A: {-199,20,37,10345} (1 point(s))
10 C = A: false (0.5 point(s))
11 C subset of A: true (0.5 point(s))
12 C U Set10,32,7: {10,17,20,24,31,37} (1 point(s))
13 A: {-199,10345} (1 point(s))
```

1.2 Test 2 (constructors) 10 points

```
1 --> pass (2 point(s))
2 --> pass (2 point(s))
3 --> pass (2 point(s))
4 --> pass (2 point(s))
5 --> pass (2 point(s))
```

1.3 Test 3 (comparisons) 10 points

```
1 --> pass (2 point(s))
2 --> pass (1.5 point(s))
3 --> pass (2 point(s))
4 --> pass (1.5 point(s))
5 --> pass (2 point(s))
6 --> pass (1 point(s))
```

1.4 Test 4 (insert and delete operators) 10 points

```
1 --> pass (3 point(s))
2 --> pass (3 point(s))
3 --> pass (4 point(s))
```

1.5 Test 5 (set union) 10 points

```
1 --> pass (1 point(s))
2 --> pass (1 point(s))
3 --> pass (1 point(s))
4 --> pass (1 point(s))
5 --> pass (2 point(s))
6 --> pass (1 point(s))
7 --> pass (2 point(s))
8 --> pass (1 point(s))
```

1.6 Test 6 (set intersection) 10 points

```
1 --> pass (1 point(s))
2 --> pass (1 point(s))
3 --> pass (1 point(s))
4 --> pass (1 point(s))
5 --> pass (2 point(s))
6 --> pass (1 point(s))
7 --> pass (2 point(s))
8 --> pass (1 point(s))
```

1.7 Test 7 (set difference) 10 points

```
1 --> pass (1 point(s))
2 --> pass (1 point(s))
3 --> pass (1 point(s))
4 --> pass (1 point(s))
5 --> pass (2 point(s))
6 --> pass (1 point(s))
7 --> pass (2 point(s))
8 --> pass (1 point(s))
```

1.8 Test 8 (combined set operations) 10 points

```
1 --> pass (3 point(s))
2 --> pass (2 point(s))
3 --> pass (3 point(s))
4 --> pass (2 point(s))
```