```
---------------------------------------------------------------------------------DEBUGGING--
-------------------------------------------------------------------------------
```

[Number of Edges Per Node]

```
1        3
2        3
3        3
4        4
5        3
6        5
7        3
8        3
9        3
10       3
11       2
12       3
```

[First 10 Edges]

```
8        10       1
2        4        1
6        7        2
5        4        2
9        8        2
8        6        2
4        3        3
1        6        3
6        4        3
3        5        4
```

```
-----------------------------------------------------------------------------------
-------------------------------------------------------------------------------
```

Current Set A: 6   1
Current Set B: 12   11   10   9   8   7   5   4   3
2
Current Minimum Spanning Tree:
1   6   3

```
-----------------------------------------------------------------------------------
-------------------------------------------------------------------------------
```

Current Set A: 7   6   1
Current Set B: 12   11   10   9   8   5   4   3   2

Current Minimum Spanning Tree:
6   7   2
1   6   3

```
-----------------------------------------------------------------------------------
-------------------------------------------------------------------------------
```

Current Set A: 8   7   6   1
Current Set B: 12   11   10   9   5   4   3   2
Current Minimum Spanning Tree:
8   6   2

```
6          7          2
1          6          3
```


```
Current Set A: 10         8          7          6          1
Current Set B: 12         11         9          5          4          3          2
Current Minimum Spanning Tree:
8          10         1
8          6          2
6          7          2
1          6          3
```


```
Current Set A: 9          10         8          7          6          1
Current Set B: 12         11         5          4          3          2
Current Minimum Spanning Tree:
9          8          2
8          10         1
8          6          2
6          7          2
1          6          3
```


```
Current Set A: 4          9          10         8          7          6          1
Current Set B: 12         11         5          3          2
Current Minimum Spanning Tree:
6          4          3
9          8          2
8          10         1
8          6          2
6          7          2
1          6          3
```


```
Current Set A: 2          4          9          10         8          7          6          1
Current Set B: 12         11         5          3
Current Minimum Spanning Tree:
2          4          1
6          4          3
9          8          2
8          10         1
8          6          2
6          7          2
1          6          3
```


```
Current Set A: 5          2          4          9          10         8          7          6          1
```

```
Current Set B: 12        11        3
Current Minimum Spanning Tree:
5        4        2
2        4        1
6        4        3
9        8        2
8        10       1
8        6        2
6        7        2
1        6        3
```


```
Current Set A: 3         5        2        4        9        10       8        7        6
1
Current Set B: 12        11
Current Minimum Spanning Tree:
4        3        3
5        4        2
2        4        1
6        4        3
9        8        2
8        10       1
8        6        2
6        7        2
1        6        3
```


```
Current Set A: 12        3        5        2        4        9        10       8        7
6        1
Current Set B: 11
Current Minimum Spanning Tree:
12       7        4
4        3        3
5        4        2
2        4        1
6        4        3
9        8        2
8        10       1
8        6        2
6        7        2
1        6        3
```


```
Current Set A: 11        12       3        5        2        4        9        10       8
7        6        1
Current Set B:
Current Minimum Spanning Tree:
9        11       5
```

12	7	4
4	3	3
5	4	2
2	4	1
6	4	3
9	8	2
8	10	1
8	6	2
6	7	2
1	6	3