

과제 2. 실습 문제 1 에서 간단한 Delaunay triangulation 에 대하여 살펴보았다. 임의의 개수의 포인트 셋에 대한 알고리즘을 수도 코드 형태로 작성해 보시오.

```
function Delaunay_triangulation (point_List) //point_list = list of points
```

```
    triangulation = empty set
```

```
    add super_triangle into triangulation
```

```
    for p in point_list
```

```
        bad_triangle = empty set
```

```
        polygon = empty set
```

```
        for triangle in triangulation
```

```
            if p in circumcircle of triangle
```

```
                add triangle into bad_triangle
```

```
            if edge of bad_triangle does not exist in polygon
```

```
                add edge of bad_triangle into polygon
```

```
        for edge in polygon
```

```
            create triangle use p and edge
```

```
            add triangle into triangulation
```

```
        remove bad_triangle from polygon
```

```
    remove super_triangle from triangulation
```

```
    return triangulation
```