In [1]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
```

In [3]:

```
data = pd.read_excel('E:/fahmi/uas_mining/dataset_soal No.2.xls')
```

In [4]:

```
data
```

Out[4]:

	Category	WeatherV-1	HolidayV-2	GameV-3	Qty
0	A	5	1	0	250
1	B	3	1	1	200
2	C	1	1	0	75
3	D	4	1	1	400
4	E	4	0	0	150
5	F	2	0	0	50

In [5]:

```
import math
dis = []
for i in range(6):
    dis.append(math.sqrt((float(data.iloc[i]['WeatherV-1'])-1)**2+(float(data.iloc[i]['HolidayV-2'])- 1)**2+(float(data.iloc[i]['GameV-3'])-0)**2))
```

In [6]:

```
data['dis'] = dis
data
```

Out[6]:

	Category	WeatherV-1	HolidayV-2	GameV-3	Qty	dis
0	A	5	1	0	250	4.000000
1	B	3	1	1	200	2.236068
2	C	1	1	0	75	0.000000
3	D	4	1	1	400	3.162278
4	E	4	0	0	150	3.162278
5	F	2	0	0	50	1.414214

In [7]:

```
import math
dis2 = []
for i in range(6):
    dis2.append(math.sqrt((float(data.iloc[i]['WeatherV-1'])-4)**2+(float(data.iloc[i]['HolidayV-2'])- 1)**2+(float(data.iloc[i]['GameV-3'])-1)**2))
```

In [8]:

```
data['dis2'] = dis2
data
```

Out[8]:

	Category	WeatherV-1	HolidayV-2	GameV-3	Qty	dis	dis2
0	A	5	1	0	250	4.000000	1.414214

	Category	WeatherV-1	HolidayV-2	GameV-3	Qty	dis	dis2
1	B	3	1	1	200	2.236068	1.000000
2	C	1	1	0	75	0.000000	3.162278
3	D	4	1	1	400	3.162278	0.000000
4	E	4	0	0	150	3.162278	1.414214
5	F	2	0	0	50	1.414214	2.449490

In [ ]:

```
```