In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
```

In [2]:
```
data=pd.read_excel('C:/Users/Baihaki/Downloads/datamining-master/datamining-master/Uas/dataset_soal No. 2.xls')
```

In [3]:
```
data
```

Out[3]:

	Category	weatherv-1\n	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 [4]:
```
import math
dis = []
for i in range(6):
    dis.append(math.sqrt((float(data.iloc[i]['weatherv-1\n'])-4)**2+(float(data.iloc[i]['holidayv-2'])- 1)**2+(float(data.iloc
[i]['gamev-3'])-1)**2))
```

In [5]:
```
data['dis'] = dis
data
```

Out[5]:

	Category	weatherv-1\n	holidayv-2	gamev-3	Qty	dis
0	A	5	1	0	250	1.414214
1	B	3	1	1	200	1.000000
2	C	1	1	0	75	3.162278
3	D	4	1	1	400	0.000000
4	E	4	0	0	150	1.414214
5	F	2	0	0	50	2.449490

In [ ]:
```
```