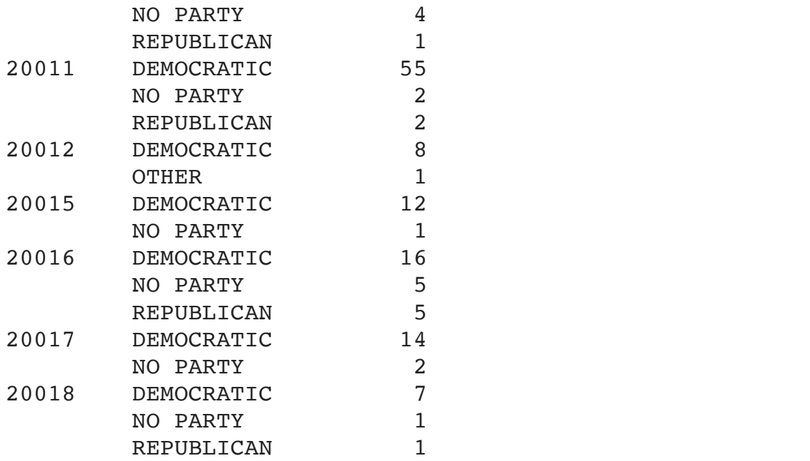
In [24]:
```
import sys
import scipy
import pandas as pd
```

In [26]:
```
from pandas import read_csv
from pandas.plotting import scatter_matrix
```

In [48]:
```
url = "https://raw.githubusercontent.com/iisydnii/Voters_PythonLab/main/20141218-dc_voters.csv"
dataset = pd.read_csv(url, error_bad_lines=False)
#print(dataset.head(20))
print(dataset.groupby(['RES_ZIP','PARTY']).size())
dataset['PARTY'].value_counts()[:20].plot(kind='barh')
pyplot.show()
```

```
RES_ZIP  PARTY
20001    DEMOCRATIC         35
         NO PARTY            2
20002    DEMOCRATIC         42
         NO PARTY            4
         REPUBLICAN          1
         STATEHOOD GREEN     1
20003    DEMOCRATIC         16
         NO PARTY            2
         STATEHOOD GREEN     1
20005    DEMOCRATIC          4
20007    DEMOCRATIC         12
         REPUBLICAN          3
20008    DEMOCRATIC         14
         NO PARTY            2
20009    DEMOCRATIC         27
         NO PARTY            4
         REPUBLICAN          4
         STATEHOOD GREEN     1
20010    DEMOCRATIC         10
         NO PARTY            4
         REPUBLICAN          1
20011    DEMOCRATIC         55
         NO PARTY            2
         REPUBLICAN          2
20012    DEMOCRATIC          8
         OTHER               1
20015    DEMOCRATIC         12
         NO PARTY            1
20016    DEMOCRATIC         16
         NO PARTY            5
         REPUBLICAN          5
20017    DEMOCRATIC         14
         NO PARTY            2
20018    DEMOCRATIC          7
         NO PARTY            1
         REPUBLICAN          1
         STATEHOOD GREEN     1
20019    DEMOCRATIC         67
         NO PARTY            3
         REPUBLICAN          3
         STATEHOOD GREEN     2
20020    DEMOCRATIC         48
         NO PARTY            3
20024    DEMOCRATIC         12
         NO PARTY            1
         REPUBLICAN          1
20032    DEMOCRATIC         27
         NO PARTY            2
20036    DEMOCRATIC          2
         REPUBLICAN          1
20037    DEMOCRATIC          1
         OTHER               1
         REPUBLICAN          2
dtype: int64
```



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