```python
import pandas as pd

df5 = pd.read_hdf('TheDataset.h5', key='ML')

for label in df5.columns:
    name = label
    count = 0
    nextCol = []
    for i, row in df5.iterrows():
        if count == 0:
            count += 1
            continue
        nextCol.append(row[label])
    nextCol.append(0)
    name = name + "2"
    df5[name] = nextCol

count1 = 0
flag = []
amt = []
for i, row in df5.iterrows():
    if count1 == 0:
        count1 += 1
        continue
    flag.append(row['NEXTDAYPRECIPFLAG2'])
    amt.append(row['NEXTDAYPRECIPAMT2'])

flag.append(0)
amt.append(0)

df5['NEXTDAYPRECIPFLAG3'] = flag
df5['NEXTDAYPRECIPAMT3'] = amt

df5.to_hdf("DatasetPart2.h5", key='ML')

df = pd.read_hdf("DatasetPart2.h5", key='ML')

print(df)
```