```python
In [13]: import seaborn as sns
         import matplotlib.pyplot as plt
         import pandas as pd
         import pickle
```

```python
In [14]: sns.set_style(style='darkgrid')
```

```python
In [15]: def load_data(f_path):
             with open(f_path, 'rb') as f:
                 return pickle.load(f)
```

```python
In [19]: w = {}
         wo = {}
         for i in range(10,21):
             w[i] = load_data('with%d.json'%i)
             wo[i] = load_data('without%d.json'%i)
```
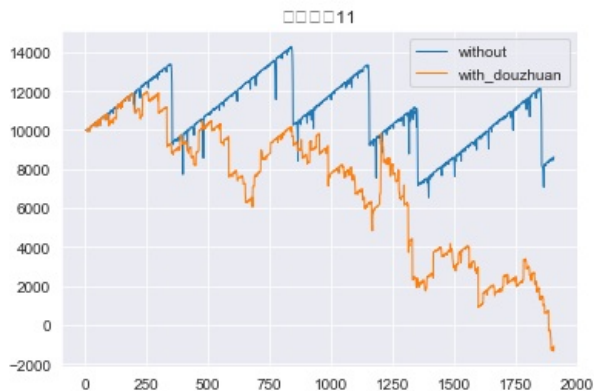
```python
In [20]: for i in range(10,21):
             min_bal_wo = min(list(map(lambda x:x['balance_c'], wo[i])))
             min_bal_w = min(list(map(lambda x:x['balance_c'], w[i])))
             min_bal = min(min_bal_wo, min_bal_w)
             plt.plot(sum(map(lambda x:x['balance'][:min_bal] ,wo[i]))/len(wo[i]), linewidth=1)

             plt.plot(sum(map(lambda x:x['balance'][:min_bal] ,w[i]))/len(w[i]), linewidth=1)
             plt.legend(labels=('without','with_douzhuan'))
             plt.title('最大加仓%d' % i)
             plt.show()
```
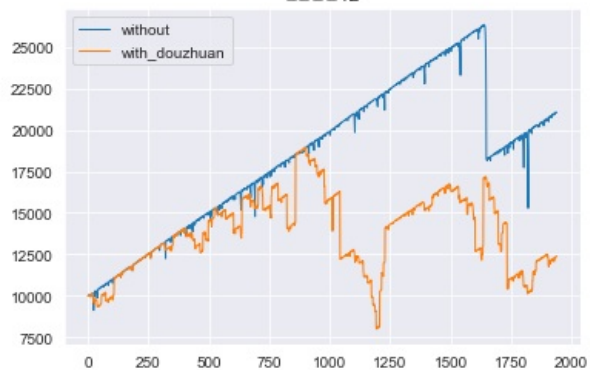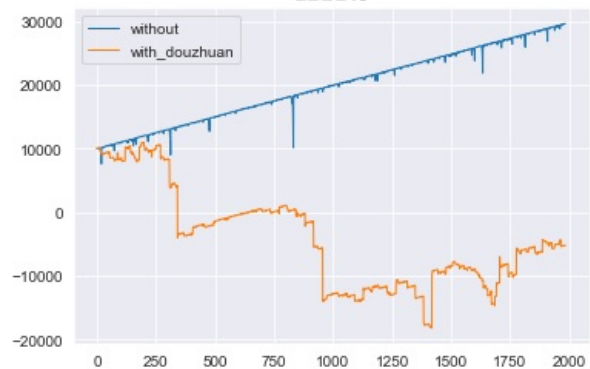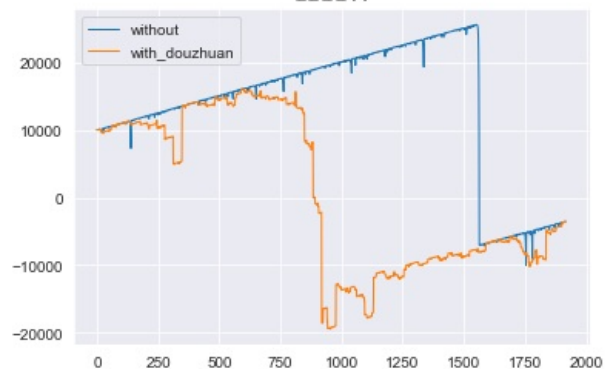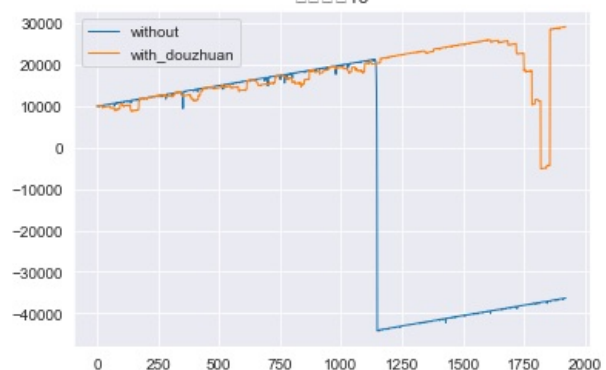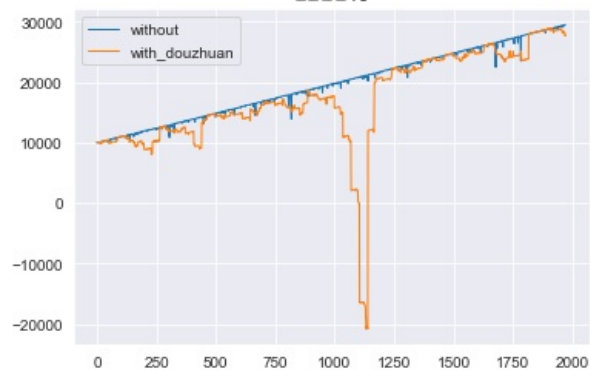
图形编号12

图形编号13

图形编号14

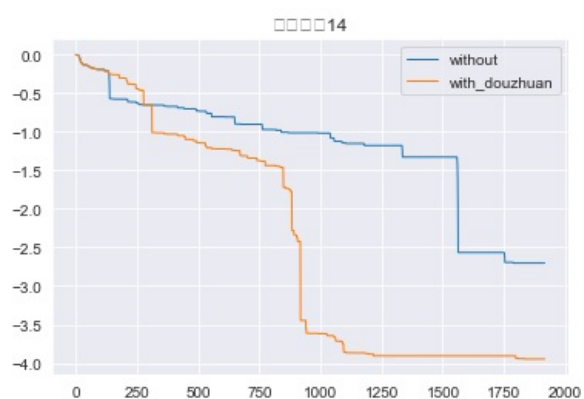
图形编号15

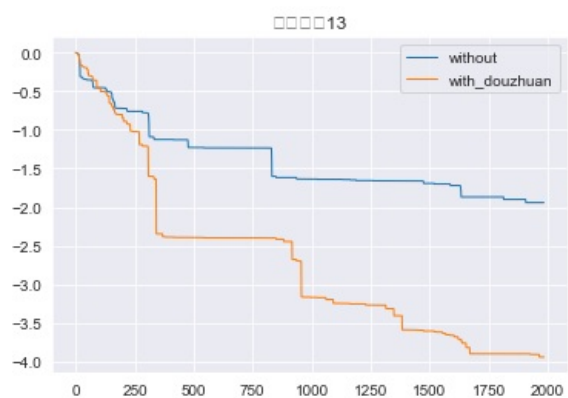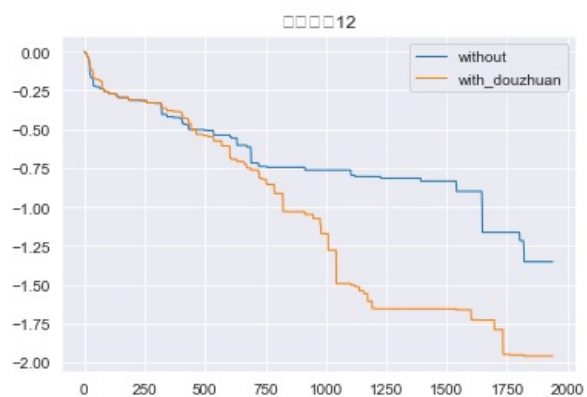图1 账户16

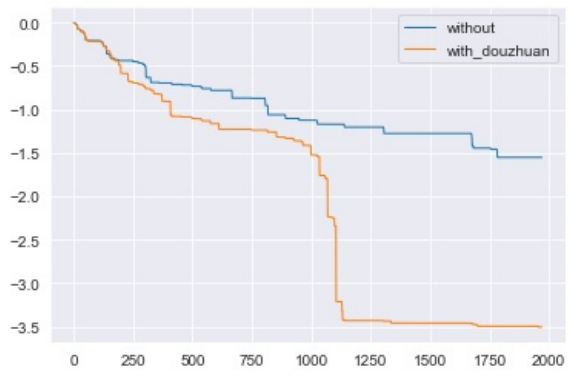

图2 账户17

图3 账户18

图4 账户19

最大加仓20
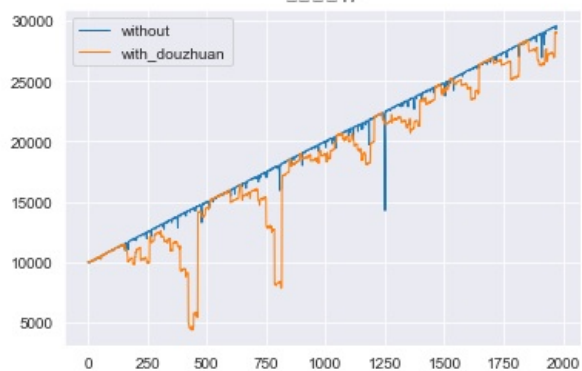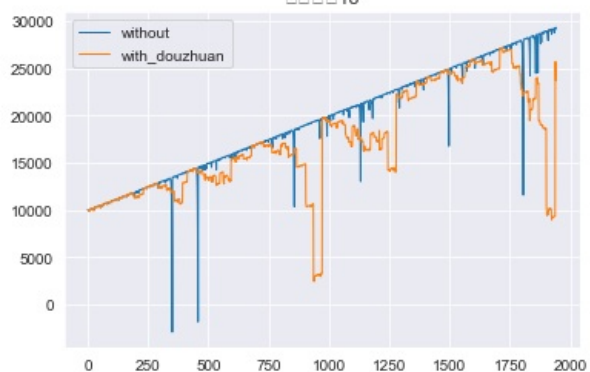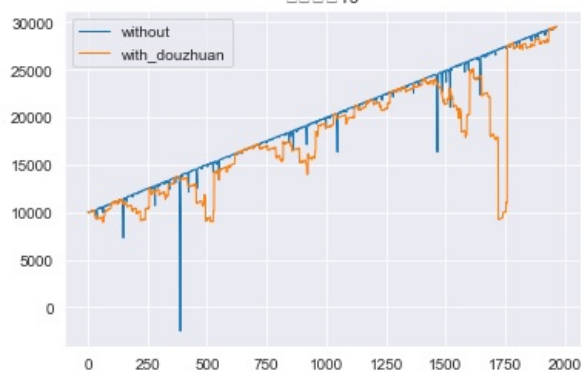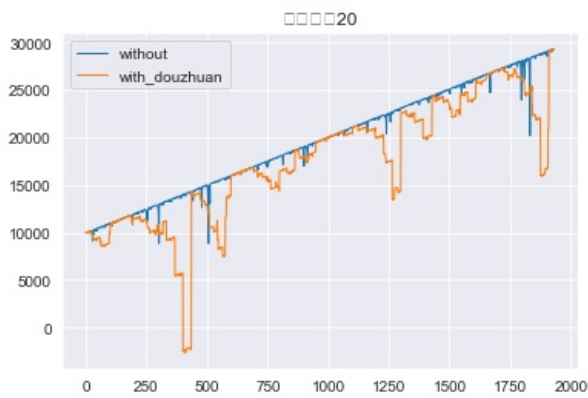
```python
for i in range(10,21):
    min_bac_wo = min(list(map(lambda x:x['back_c'], wo[i])))
    min_bac_w = min(list(map(lambda x:x['back_c'], w[i])))
    min_bac = min(min_bac_wo, min_bac_w)
    plt.plot(sum(map(lambda x:x['back'][:min_bac] ,wo[i]))/len(wo[i]), linewidth=1)

    plt.plot(sum(map(lambda x:x['back'][:min_bac] ,w[i]))/len(w[i]), linewidth=1)
    plt.legend(labels=('without','with_douzhuan'))
    plt.title('最大加仓%d' % i)
    plt.show()
```
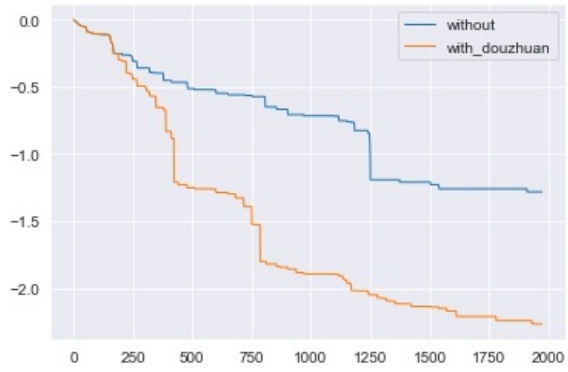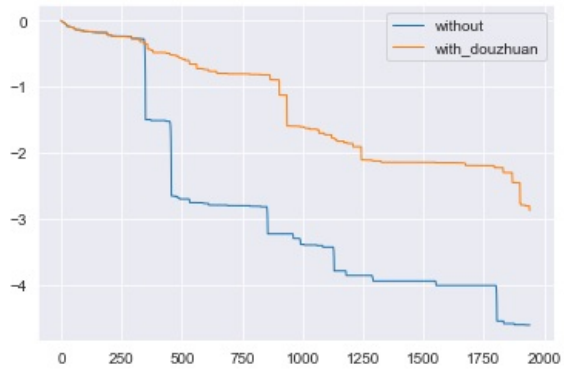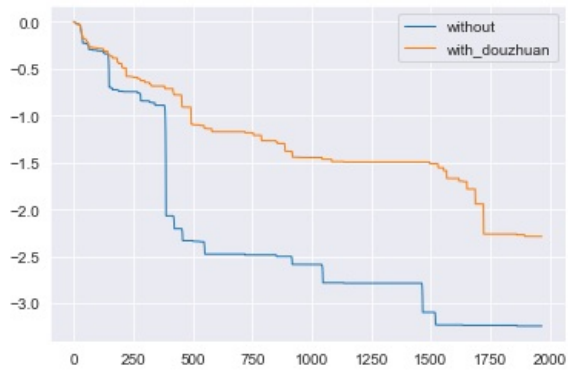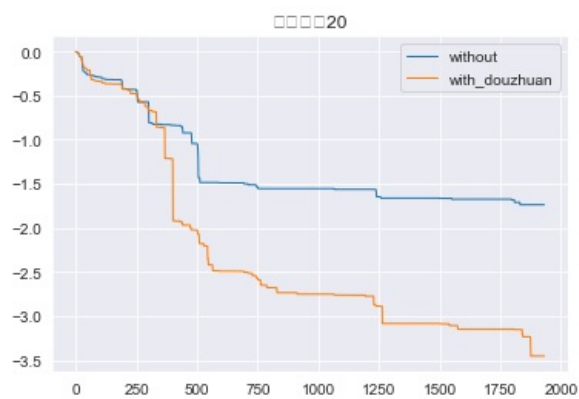

最大加仓10

最大加仓11

图片编号12

图片编号13

图片编号14

图片编号15

实验结果16

实验结果17

实验结果18

实验结果19

图片标题20

In [ ]: