1. mapping rules

天气: weather
温度: temperature
湿度: humidity
风况: wind
运动: activity
晴: sunny
多云: cloudy
有雨: rainy
有: yes
无: no
不适合: can't
适合: can

weather, temperature, humidity, wind, activity
sunny, 85, 85, no, can't
sunny, 80, 90, yes, can't
cloudy, 83, 78, no,
rainy, 70, 96, no, can
rainy, 68, 80, no, can
rainy, 65, 70, yes, can't
cloudy, 64, 65, yes, can
sunny, 72, 95, no, can't
sunny, 69, 70, no, can
rainy, 75, 80, no, can
sunny, 75, 70, yes, can
cloudy, 72, 90, yes, can
cloudy, 81, 75, no, can
rainy, 71, 80, yes, can't

sunny: 1
cloudy: 2
rainy: 3
yes: 1
no: 0
can: 1
can't: 0

2. dataset

```
================================================================
1, 85, 85, 0, 0
1, 80, 90, 1, 0
2, 83, 78, 0, 1
3, 70, 96, 0, 1
3, 68, 80, 0, 1
3, 65, 70, 1, 0
2, 64, 65, 1, 1
1, 72, 95, 0, 0
1, 69, 70, 0, 1
3, 75, 80, 0, 1
1, 75, 70, 1, 1
2, 72, 90, 1, 1
2, 81, 75, 0, 1
3, 71, 80, 1, 0
```

3. result

```
(ai) PS F:\Task\Exercise6> python .\bayes_classifier.py
---{ X }---{ y }---{ y predict }---
[ 1 85 85  0] 0 0
[ 1 80 90  1] 0 0
[ 2 83 78  0] 1 1
[ 3 70 96  0] 1 1
[ 3 68 80  0] 1 1
[ 3 65 70  1] 0 1
[ 2 64 65  1] 1 1
[ 1 72 95  0] 0 0
[ 1 69 70  0] 1 1
[ 3 75 80  0] 1 1
[ 1 75 70  1] 1 0
[ 2 72 90  1] 1 0
[ 2 81 75  0] 1 1
[ 3 71 80  1] 0 1
(ai) PS F:\Task\Exercise6>
```