**贝叶斯分类作业**

1、试由下表的训练数据学习一个朴素贝叶斯分类器并确定X=(age="<=30",income="M",student="Y",credit\_rating="fair")**该样本的buys\_computer属性值是啥(Y/N)？**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Id** | **age** | **income** | **student** | **Credit\_rating** | **Buys\_computer** |
| 1 | <=30 | H | N | fair | N |
| 2 | <=30 | H | N | excellent | N |
| 3 | 31~40 | H | N | fair | Y |
| 4 | >40 | M | N | fair | Y |
| 5 | >40 | L | Y | fair | Y |
| 6 | >40 | L | Y | excellent | N |
| 7 | 31~40 | L | Y | excellent | Y |
| 8 | <=30 | M | N | fair | N |
| 9 | <=30 | L | Y | fair | Y |
| 10 | >40 | M | Y | fair | Y |
| 11 | <=30 | M | Y | excellent | Y |
| 12 | 31~40 | M | N | excellent | Y |
| 13 | 31~40 | H | Y | fair | Y |
| 14 | >40 | M | N | excellent | N |

