| age  | income | student | credit_rating | buys_computer |
|------|--------|---------|---------------|---------------|
| <=30 | high   | no      | fair          | no            |
| <=30 | high   | no      | excellent     | no            |
| 3140 | high   | no      | fair          | yes           |
| >40  | medium | no      | fair          | yes           |
| >40  | low    | yes     | fair          | yes           |
| >40  | low    | yes     | excellent     | no            |
| 3140 | low    | yes     | excellent     | yes           |
| <=30 | medium | no      | fair          | no            |
| <=30 | low    | yes     | fair          | yes           |
| >40  | medium | yes     | fair          | yes           |
| <=30 | medium | yes     | excellent     | yes           |
| 3140 | medium | no      | excellent     | yes           |
| 3140 | high   | yes     | fair          | yes           |
| >40  | medium | no      | excellent     | no            |

```
input Age 31-40, income = high,
student = yes, fair
```

```
P[student "Yes" | buy _ com = "Yes"] = 6|9 = 0.667
P[student "Yes" | buy _ com = "No"] = 115 = 0.2

P[cre_rat "fair" | buy _ com = "Yes"] > 6|9 = 0.667
P[cre_rat "fair" | buy _ com = "No"] = 2|5 = 0.4

P[x|bvy _ com = "Yes"] = 0.643 \times 0.455 \times 0.222 \times 0.667 \times 0.667 = 0.029
P[x|bvy _ com = "No"] = 0.357 \times 0.142 \times 0.4 \times 0.2 \times 0.4 = 0.002
```

$$0.643 \times 0.028 = 0.018 \checkmark$$
  
 $0.357 \times 0.002 = 0.0002$