```
Pces: Probuys = yes) = 1/14 . 0.643

Pces: Probuys = No) = 5/4 . 0.657
```

PLX/L)

```
P(age 31...40 | buys = yes) = 1/9 0.444 +1

P(age 31...40 | buys = No) = 0/5 0 ~ 1/5 -0.1

P(income = high | buys = yes) = 2/9 0.222

P(income = high | buys = no) = 2/5 0.1

P(student = yes | buys = yes) = 6/9 0.222

P(student = yes | buys = No) = /5 0.2

P(student = rating = fair | buys = yes) = 2/5 = 0.4

P(ctredit - rating = fair | buys = yes) = 2/5 = 0.4
```

input => Age = 121.40, income - high, student = yes, credit_rating - fair

$$P(x|d) : P(x|buys = yes) = 1.444 \times 0.222 \times 0.664 \times 0.664 \approx 0.122$$

 $P(x|d) : P(x|buys = No) = 0.2 \times 0.1 \times 0.2 \times 0.4 = 0.064$

age	inco	me st	udent	credit_r	ating	buys_	computer
<=30	high		no	fair			no
<=30	high		no	excellen	nt		no
314	0 high		no	fair			yes /
>40	medi	ium	no	fair			yes
>40	low		yes	fair			yes
>40	low		yes	excellen	nt		no
314	low low		yes کو	excellen	nt		yes
<=30	medi	ium	no	fair			no
<=30	low		yes	fair			yes
>40	medi	ium	yes	fair		,	yes
<=30	medi	ium	yes	excellen	nt		yes
314	0 med	ium	no	excellen	nt		yes
314	0 high		yes ,	fair			yes /
>40	medi	ium	no	excellen	nt		no '