<i>R110</i> ₽	age₽	income€	student≀	credit_	Class:buys
				rating#	computer₽
1₽	youth√	high∉	no €	fair∂	no↩
2₽	youth₽	high₽	no 4 ⁷	excellent₽	n o€ ³
3₽	middle_ <i>aged</i> ₽	high₽	no ¢ ³	fair₽	yes₽
4₽	senior₽	nediun₽	no ¢ ⁷	fair₽	yes∉
5₽	senior₽	Lov₽	yes₽	fair₽	yes₽
6₽	senior₽	Lov₽	yes₽	excellent₽	no ¢³
7₽	middle <i>aged</i> ₽	lov₽	yes₽	excellent¢	yes₽
8₽	youth₽	nediun∂	n o∢ ³	fair₽	200 €
9₽	youth√	low₽	yes₽	fair₽	yes₽
10₽	senior₽	nediun∂	yes₽	fair₽	yes₽
11₽	youth₽	nediun€	yes₽	excellent₽	yes₽
12₽	middle_aged	nediun√	no ¢ ³	excellent¢	yes₽
13₽	middle <i>aged</i> ₽	high₽	yes₽	fair∂	yes∉
14₽	senior₽	nediun∉	no€	excellent₽	no ¢ ³

作业: age=senior, income=medium, student=no, credit rating=fair 用

朴素贝叶斯分类求解该条件下是否购买电脑?

Plbuy_computer = yes) =
$$\frac{9}{14}$$
 Plage = senior | yes) = $\frac{3}{9}$ = $\frac{1}{2}$

Plincome = medium | yes) = $\frac{4}{9}$

Plstudent = no | yes) = $\frac{3}{9}$ = $\frac{1}{2}$

Ploug_computer = yes) = $\frac{3}{9}$ = $\frac{1}{2}$

Ploug_senior | yes) = $\frac{3}{9}$ = $\frac{1}{2}$

Ploug_senior | yes) = $\frac{3}{9}$ = $\frac{1}{2}$

$$P(x|buy-computer=yes) = \frac{1}{3} \times \frac{4}{5} \times \frac{2}{5} = \frac{8}{242}$$

 $P(x|buy-computer=yes) \times P(buy-computer=yes) = \frac{8}{243} \times \frac{9}{14} = \frac{4}{189}$

$$\frac{16}{275} < \frac{4}{129}$$
 : 样本分类为 yes ... 过.