## <Chapter 4 >

$$P(c)$$
 is equal  $\rightarrow$  \$  $P_{0s}: 0.09 \times 0.09 \times 0.29 \times 0.04 \times 0.08$   
 $N_{eg}: 0.16 \times 0.06 \times 0.06 \times 0.15 \times 0.11$ 

	(3) action	(2) comedy
Lun	1	3
Couple	U	2
Couple	1	2
(fast	2	1
fast farious	0	2
Shoot	4	0
(fly		$\mathcal{D}$
_0	= 9	= //

$$\frac{3}{5} \times \frac{3}{16} \times \frac{1}{16} \times \frac{5}{16} \times \frac{2}{16}$$

$$\frac{2}{5} \times \frac{2}{18} \times \frac{3}{18} \times \frac{1}{18} \times \frac{2}{18}$$

Action

## 4:3

## 1) Multinomial

$$Pos: \frac{\cancel{Z}}{5} \times \frac{\cancel{4}}{12} \times \frac{\cancel{4}}{12} \times \frac{\cancel{8}}{\cancel{12}} \times \frac{\cancel{8}}{\cancel{12}} = \frac{1}{5 \times 2 \times 3^{2}} \longrightarrow -1.95$$

$$Neg: \frac{3}{5} \times \frac{3}{11} \times \frac{3}{11} \times \frac{3}{11} \times \frac{11}{11} = \frac{3^{4} \times 11}{5 \times 11^{4}} \longrightarrow -2.61$$

5



⇒ (Negative)

## 2) Binary

Pos: 
$$\frac{2}{5} \times \frac{2}{\eta} \times \frac{2}{\eta} \times \frac{3}{\eta} \times \frac{2}{\eta} = \frac{46}{5 \times 1^4} \longrightarrow -2.40$$

1 | 1 | 2 | Pos | 7 | Pos:  $\frac{2}{5} \times \frac{3}{\eta} \times \frac{3}{\eta} \times \frac{3}{\eta} \times \frac{2}{\eta} = \frac{46}{5 \times 1^4} \longrightarrow -2.40$