0.) Disibly of app ...
$$U(xp) : SO = \sum_{n=1}^{\infty} (-1y^n) \cdot 1^{\infty}(10)$$
Utility of down:
$$U(yp) : SO = \sum_{n=1}^{\infty} (-1y^n) \cdot 1^{\infty}(10)$$
U(pp) ...
$$U(pp) : SO = \sum_{n=1}^{\infty} (-1y^n) \cdot 1^{\infty}(10)$$

$$U(pp) : SO = \sum_{n=1}$$

c.)

A3=0/

B(上)=1

P.= 1 no=2

A<sub>J</sub>=1

B(\frac{1}{3}) = \frac{1}{3} log\_2(\frac{1}{3}) + \frac{2}{3} log\_2(\frac{2}{3}) = 0.918245

Gain (A3)=0.97095-[(\frac{1}{5})B(\frac{1}{3})+(\frac{2}{5})B(\frac{1}{2})]

= 0.3873

 $=0.97645-\left[\frac{1}{5}(0.91825)+\frac{2}{5}\right)$ = 0.97045-[0.1355+0.4]

0