One draw means the result may be red cord or blue card

if the cord is red.

P(Ho)red) = P(Ho). P(red | Ho) = 0.4.0.7

P(red) = 0.4.0.7 + 0.6.03 = 0.608

P(Ho) red) = 1 - 0.608 = 0.292

E(acapt Ho) = 0.608 · 5 - 0.2/2 · 2/2/864

E(acapt Ho) = 0.608 · 3 + 0.3/2 · 5 = 0.136

Isince /18/420.136 · a' is accept Ho

USI = E(U(a''|y)|y) - E(U(a'|y))

= /1864 - 0.136 = /1728

If the cord is blue

D(Ho). P(blue | Ho) 0.4.03

H the card is blue.

P(Ho) | hue) = P(Ho) . P(blue | Ho) = 0.4.03

P(blue) = 1-0.22 = 0.778

E(accept Ho) = 0.22 = 0.778

E(accept Ho) = 0.22 + 0.778 = -1.22

Since 3.247-1025, a' is accept Ho

USI = I 3.249-3.240 = 0

EUSI = Z USI(yi)-P(yi)

= 1.728.0.100 + De 0.54 = 0.795