Twowa & Monday, 11 November 2024 08:54

$$O_1 - a)H_0 = guessing$$
 $H_1 \neq guessing$

b) (8) = 70 wafigs 4) = 4 Beach In any orden

c)
i) Derrect assignments - 1 ii) 1 consider assignment:

> 1 cup consect, 3 wrong (4) x(4) = 16

(4) x (4) : 36

iii) 2 correct ansignments:

Hypnegeonetuil

Los Hyperguon (N,R,n)

G SECHUNCK, N)

Just for your info

S NOT NEGDED

(4) (4) 2 16

e) dady warn't guerry. Reject Ho

p > paran & Ruterest = purportion Broters who prefer T

Ho: P= 0.5 1-1: P # 0.5

b) Test statistic & -> purportion of people who prefer T. 4 Endiwiduck who prufer T sample size

O Ho: P= 0.5 dist: near = 0.5 Sol: = \P(1-p) = \O.5(1-0.5) M (2.5, 0.05)

d) p= 61 = 2.61

2xP (2>2.2) 1> 2x 0.486

U 0.372 -> 1-0.972

ZScore = $\hat{\beta} - \hat{\beta} = 2.2$

D.028

C) Right Ho -> has majority.