- We are interested to know if there is significant difference between It and B. As the reaction from the user is boolean We are considering binomial distribution. The test we do to (Ho: PA = PB

- the test we do is . SHo:  $\hat{P}_{A} = \hat{P}_{B}$   $H_{A}: \hat{P}_{B} > \hat{P}_{B}$ 

from the theory we know that the test statistic is

$$\frac{Z = \hat{P}_{A} - \hat{P}_{B}}{\sqrt{\hat{p} \left[1 - \hat{p}\right] \left[\frac{1}{n_{A}} + \frac{1}{n_{Z}}\right]}} \quad \text{where } \hat{p} = \frac{n_{A} \cdot \hat{p}_{A} + n_{B} \hat{p}_{B}}{n_{A} + n_{B}}$$

and applying the figures we have Z=ZZ

(1)

- Ladding at the NIO,1) table we see that our P-value = 1-0.9861 = 0.0139 (we consider only 1 task because our test is unilatoral H: PATPB).

Conclusion

We reject Ho: Pr=PB with 98% confi.