C = {0.06, 0.045, 0.043, 0.038, 0.034}

B = {0.102, 0.069, 0.055, 0.049}

Ordered:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0.034 | 0.038 | 0.043 | 0.045 | 0.049 | 0.055 | 0.06 | 0.069 | 0.102 |
| C | C | C | C | B | B | C | B | B |

U­­C = 4 + 4 + 5 + 5 = 18

UB = 0 + 0 + 0 + 0 + 2 = 2

U = 2

MWU critical value at 0.05 level of significance for this case is 2. Our U value of 2 is not more than the critical value of 2 so the null hypothesis is rejected and C and B are not the same. We can say that C is better than B at 0.05 level of significance.