Solutions for Algo Python test:

Answer 1.

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| --- | --- | --- | --- |
| **Sr. No.** | **Key product** | **Non-key product** | **Wilcoxon signed rank test statistic** |
| 1. | 48806 | 47106 | 291461.18 |
| 2. | 48806 | 47287 | 381622.57 |
| 3. | 48806 | 48020 | 461843.31 |
| 4. | 48806 | 48863 | 430607.51 |
| 5. | 48806 | 50546 | 317306.63 |

Answer 2. I have got the first combination of the non-key elements. In the list ‘a’(created in Wilcoxon\_second\_question.py), I have got various possible combinations of the non key elements. But due to time constraint was unable to apply wilcoxon signed rank test to all the combinations.

Answer 3. Non-key product 48020 has the best fit to the key product.