REVIEW Part

When conducting the review, start by opening the opc_review_output.xlsx file and sequentially inspect its three worksheets: 1, 2, and 3.

Step 1: Read Input Files

Step 2: Begin Inspection

a. Check Assign OPC Label Step
b. Check Perform bid swaps Step
c. Check Identifying any short IDs Step

Step 3: Conclusion

After a detailed examination of the task requirements and a review of the code implementation, the following conclusions can be drawn:

1. Check Assign OPC Label
● No errors were identified.

2. Perform bid swaps
● Some elements in the SPA Rank column appear to be empty, but they are consistent across all corresponding tables.

    ```
    Number of missing SPA values: 0
    Error Class/Type: Bid Swap Error
    Example: OPC Rank    1.0
    bid            0.1
    SPA Rank     NaN
    Name: 0, dtype: float64
    ```
●

3. Check Identifying any short IDs
● No errors were identified.

Other Potential Issues:

● The data entry format might lack standardized rules; it is recommended to enforce a strict format, such as specifying short_id in numerical recording format

rather than allowing a mix of string and numerical entries, which can appear disorderly.

In summary, based on the task requirements and the implementation of inspection points, no significant deviations or errors were found in the data.