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| **Steps and Logic** | |  |  |  |  |  |  |  |  |  |  |
| Define the State of Charge (SOC) variables: soc\_start and soc\_end. | | | | | | |  |  |  |  |  |
| soc\_start: Initial state of charge (e.g., 0%) | | | |  |  |  |  |  |  |  |  |
| soc\_end: Final state of charge (e.g., 100%) | | | |  |  |  |  |  |  |  |  |
| Calculate the modified TB2 revenue ensuring SOC feasibility. | | | | | |  |  |  |  |  |  |
| For each day: | |  |  |  |  |  |  |  |  |  |  |
| Identify the top-priced hour (T1) and the second top-priced hour (T2) from the daily TB2 revenue. | | | | | | | | |  |  |  |
| Identify the bottom-priced hour (B1) and the second bottom-priced hour (B2) from the daily TB2 revenue. | | | | | | | | | |  |  |
| Calculate the modified TB2 using the formula: | | | | |  |  |  |  |  |  |  |
| Modified\_TB2 = (Top first priced hour + Top second priced hour) - (Bottom first priced hour + Bottom second priced hour) | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |