Assume that Guzman Energy is signing future contracts of Product 1 with X company.

There are 5000 contracts in total with each contract size of 1MW.

The price is 24.62\$.

Guzman Energy predicts the market price on the execution day to be 22.62\$. So that Guzman Energy could earn 10k dollars.

Supposing for each week, we have the predicted market price on the execution day of each product and the prediction is accurate. The hedge strategy will be if we find we cannot make 10k dollars based on product 1, then we long product 2 if we find the price of product 2 is lower than the predicted market price.

To conclude, the assumptions are

- 1. We want to ensure 10k dollars profit
- 2. The prediction of market price on contract execution date is accurate

The result is shown below,

