Pris Kalkulator

Figuren under viser koden bak den implementerte priskalkulatoren.

Her ser vi at det er kun leieperioder mellom 1 til 29 dager som blir trenger bli kalkulert.

```python
def price_calculator(days, start_price):
    # Round to closest 5
    def round_function(x, base=5):
        return int(base * round(float(x) / base))

    if 0 < days <= 29:
        # Initialize variables
        discount_calculated = 1          # Initialize to 0% discount.
        amount_of_discounts = days / 5   # Number of discount chunks.
        discount = 0.825                 # 17.5% discount for each chunk

        # Iterate through the chunks, adding a 17.5% discount to the existing discount.
        for i in range(0, amount_of_discounts):
            discount_calculated *= discount

        final_price = round_function(start_price*days*discount_calculated)

    else:
        # 30 days rented, final price is 2500 for the normal priced cars.
        if start_price == 250:
            final_price = 2500

        # Pricier cars will be a bit more exensive for a 30 day rental.
        else:
            final_price = 2750

    return final_price
```