Method Used :

1  Model1 : scipy.optimize.minimize(loss_function, method='l-bgfs-b)
        Status: Successfully Terminated
2  scipy.optimize.minimize(loss_function, method='powell')
            Status: Not Terminated Successfully
3. scipy.optimize.curve_fit(run_production_function(over_rem,Z,b))
        Status: Terminated Successfully but b value is different for each curve

Model1 Output:

```
Z(W)      ScoreVslue

Z1:     12.70220754
Z2:     30.12195838
Z3      49.74889013
Z4:     81.56473891
Z5:     110.29911713
Z6:     145.89550147
Z7:     178.63033199
Z8:     218.62495772
Z9:     253.74095506
Z10:    298.56179064
L:      7.9562266

Mean Squared Error:   250564361.17938894
```

Resources Vs Overs to Go :