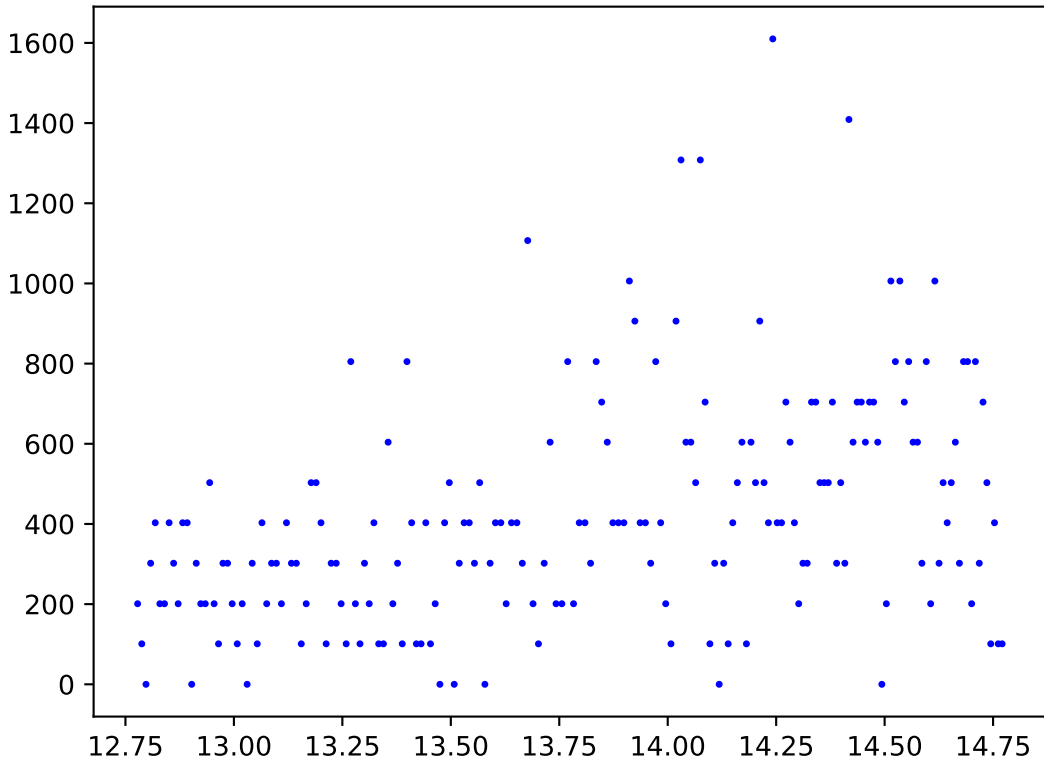
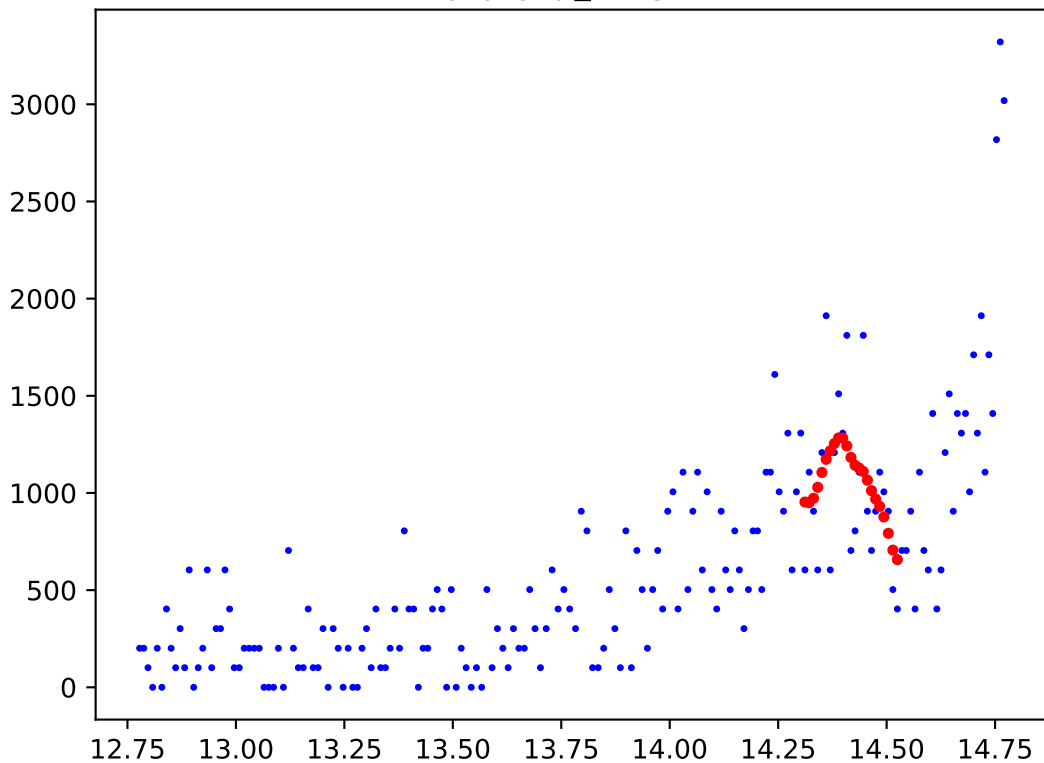


A scatter plot showing the relationship between the number of non-zero elements in the first matrix ( $n_1$ ) on the x-axis and the number of non-zero elements in the product matrix ( $n_{12}$ ) on the y-axis. The x-axis ranges from 12.75 to 14.75, and the y-axis ranges from 0 to 15. The data points are blue dots. The plot shows a general upward trend, with a significant peak at  $n_1 \approx 14.25$  where  $n_{12} \approx 15$ . There are also several points where  $n_{12}$  is 0 or 1, indicating sparse products.



gdp.gdp\_1.Light



gdp.gdp\_2.Light

