[https://escholarship.org/uc/item/5k12d7q0#main](https://escholarship.org/uc/item/5k12d7q0" \l "main) power laptop while on 32.0w Not Used

<https://arxiv.org/pdf/2310.03003> 3j-4j per token Not used

<https://towardsdatascience.com/chatgpts-energy-use-per-query-9383b8654487> Energy per query(Kwh) 0.0017-0.0026

<https://www.economist.com/technology-quarterly/2024/01/29/data-centres-improved-greatly-in-energy-efficiency-as-they-grew-massively-larger> Training Energy(Gwh) 50

<https://www.delltechnologies.com/asset/en-us/products/laptops-and-2-in-1s/technical-support/full-lca-latitude7300-anniversary-edition.pdf> 4,62 w

<https://esg.asus.com/english/file/PEP_Notebook_C423.pdf> 3.53w

<https://ieeexplore.ieee.org/document/7181430> bu intra 38%

<https://faculty.washington.edu/ajko/papers/Ko2006SeekRelateCollect.pdf> Debugging run code,reading,editing ratio 10%,20%,20%

<https://www.pullrequest.com/blog/cost-of-bad-code/> Debugging time ratio 42%