A screenshot of a computer program

Description automatically generated

A computer screen shot of a blue screen

Description automatically generated

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|  |  |  |  |
| --- | --- | --- | --- |
| Student | Training loss | Validation loss | Validation accuracy |
| topK | 0.3571 | 0.9880 | 0.5100 |
| BottomK | 0.3728 | 1.0795 | 0.4300 |
| Odd layer | 0.3671 | 1.0795 | 0.4300 |
| Even layer | 0.3688 | 1.0795 | 0.4300 |

Discussion(task5)

Apparently, topK model is highest in every fields. The considerable reasons are, firstly the dataset is low. This time all models are trained by 1000 datasets because of machine limitations. Therefore I guess that TopK model is effective for small datasets because the model do not learn a lot of datasets. Other models contain deeper layers and these layers might disturb learning. Following this logic, I guess BottomK will be best model when it is trained by tremendous data and epochs. Because the model needs to learn lots of data and their deep layers will contribute to learning.