This is a sample of the report, but applicable for all homework.

[113062575] [徐義鈞] This is for double verification.

Don't copy the problem statement, just write the answer.

Please write down the question number in unit of sub-question.

Please write down the sub-question number even if you don't know how to solve it.

**Part1**

(1.3.1)

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Layer (type:depth-idx) Output Shape Param #

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Net [1, 10] --

├─Sequential: 1-1 [1, 6, 28, 28] --

│ └─Conv2d: 2-1 [1, 6, 28, 28] 150

│ └─ReLU: 2-2 [1, 6, 28, 28] --

├─Sequential: 1-2 [1, 6, 14, 14] --

│ └─MaxPool2d: 2-3 [1, 6, 14, 14] --

├─Sequential: 1-3 [1, 16, 10, 10] --

│ └─Conv2d: 2-4 [1, 16, 10, 10] 2,400

│ └─ReLU: 2-5 [1, 16, 10, 10] --

├─Sequential: 1-4 [1, 16, 5, 5] --

│ └─MaxPool2d: 2-6 [1, 16, 5, 5] --

├─Sequential: 1-5 [1, 120, 1, 1] --

│ └─Conv2d: 2-7 [1, 120, 1, 1] 48,000

│ └─ReLU: 2-8 [1, 120, 1, 1] --

├─Sequential: 1-6 [1, 84] --

│ └─Linear: 2-9 [1, 84] 10,080

│ └─ReLU: 2-10 [1, 84] --

├─Sequential: 1-7 [1, 10] --

│ └─Linear: 2-11 [1, 10] 840

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Total params: 61,470

Trainable params: 61,470

Non-trainable params: 0

Total mult-adds (Units.MEGABYTES): 0.42

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Input size (MB): 0.00

Forward/backward pass size (MB): 0.05

Params size (MB): 0.25

Estimated Total Size (MB): 0.30

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(1.3.2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **type** | **input activation size** | **output activation size** | **activation function** |
| conv1 |  |  |  |  |
| maxpool2 |  |  |  |  |
| conv3 |  |  |  |  |
| maxpool4 |  |  |  |  |
| conv5 |  |  |  |  |
| fc6 |  |  |  |  |
| output |  |  |  |  |

(1.3.3)

(1.3.4)

(2.1.1)

(2.1.2)

(2.1.3)

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**Part2**

(2.1.1)

(2.1.2)

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