

week-4

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1 introduce

The main task this week is to find out what algorithm CUDNN called.

2 experiment

Through debugging, I found the function call for CUDNN in Conv8.cpp, It ran the `raw_cudnn_convolution_forward_out` function, and then ran `run_single_conv` (`CUDNN_BACKEND_OPERATION_CONVOLUTION_FORWARD_DESCRIPTOR`, `input`, `output`, `weight`, `padding`, `stride`, `dilation`, `groups`, `benchmark`, `deterministic`, `allow_tf32`); In Conv7.cpp, we can find the parameter 'algos' that control CUDNN to call the algorithm, but in Conv8.cpp, Cannot find the parameter that controls the algorithm. Only one parameter represents whether the function called the deterministic algorithm. During the debugging process, I checked that the value was false.