

Sequential

Conv2d depth:2	input:	(1, 128, 4000, 1)
	output:	(1, 1024, 4000, 1)

BatchNorm2d depth:2	input:	(1, 1024, 4000, 1)
	output:	(1, 1024, 4000, 1)

ReLU depth:2	input:	(1, 1024, 4000, 1)
	output:	(1, 1024, 4000, 1)

MaxPool2d depth:1	input:	(1, 1024, 4000, 1)
	output:	(1, 1024, 1, 1)

reshape depth:1	input:	(1, 1024, 1, 1)
	output:	(1, 1024)

Sequential

Linear depth:2	input:	(1, 1024)
	output:	(1, 512)

ReLU depth:2	input:	(1, 512)
	output:	(1, 512)

Sequential

Linear depth:2	input:	(1, 512)
	output:	(1, 256)

ReLU depth:2	input:	(1, 256)
	output:	(1, 256)

Dropout depth:1	input:	(1, 256)
	output:	(1, 256)

Sequential

Linear depth:2	input:	(1, 256)
	output:	(1, 40)

output-tensor depth:0	(1, 40)
--------------------------	---------