

Model

cvt_io_v1_1 :

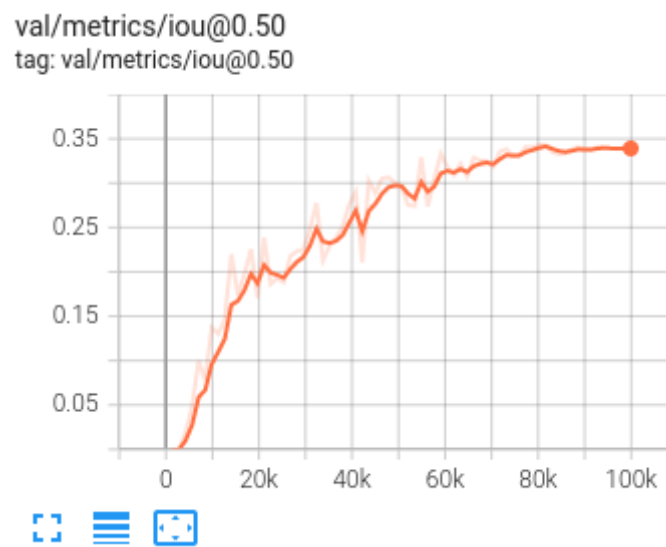
latent array: N = 10, L = 6, self attention shape: [b, n, d, H, W]

100K steps, lr: 4e-3, wd: 1e-7

cvt_io_v2_1 :

latent array: N = 10, L = 6, self attention shape: [b, d, H, W]

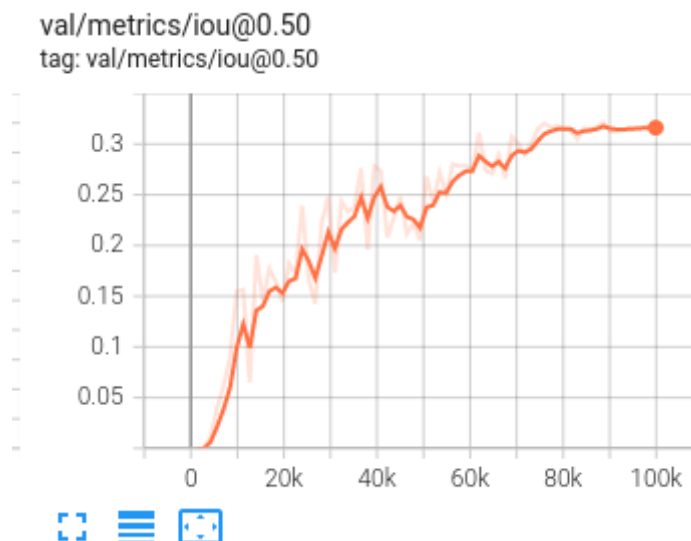
100K steps, lr: 4e-3, wd: 1e-7



cvt_io_v2_2 :

latent array: N = 5, L = 6, self attention shape: [b, d, H, W]

100K steps, lr: 4e-3, wd: 1e-7

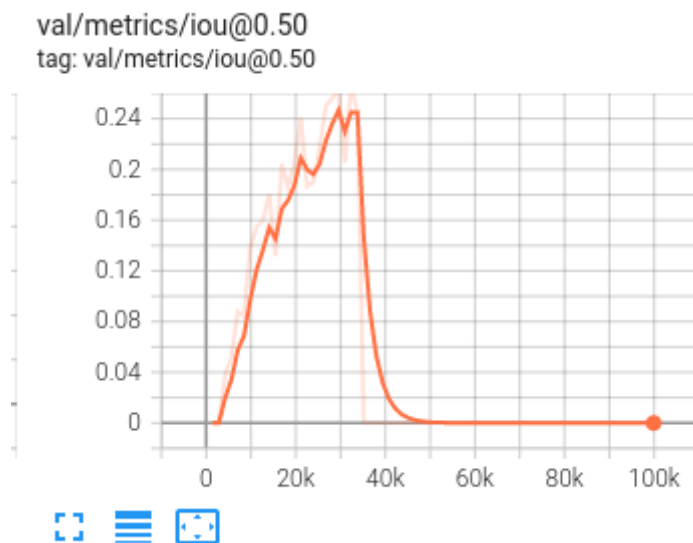


cvt_io_v2_3:

latent array: $N = 10$, $L = 6$, self attention shape: $[b, d, H, W]$, self attention不共享权值

100K steps, lr: $4e-3$, wd: $1e-7$

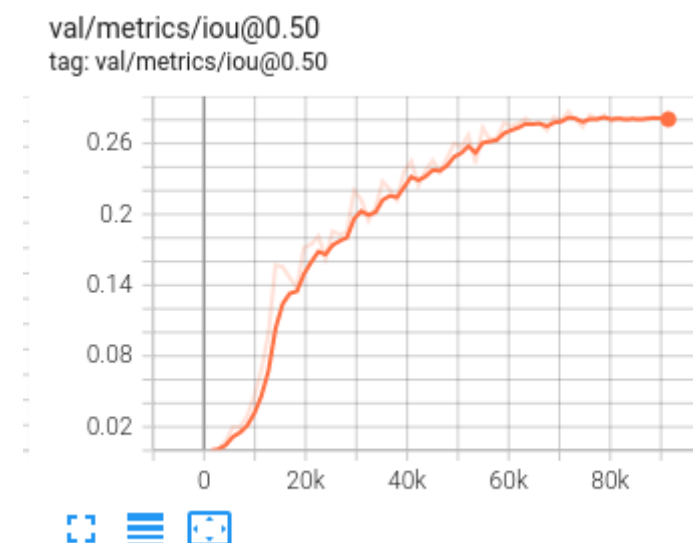
梯度爆炸, loss突然暴涨, 不收敛



cvt_io_v2_4:

latent array: $N = 10$, $L = 6$, self attention shape: $[b, d, H, W]$, self attention不共享权值

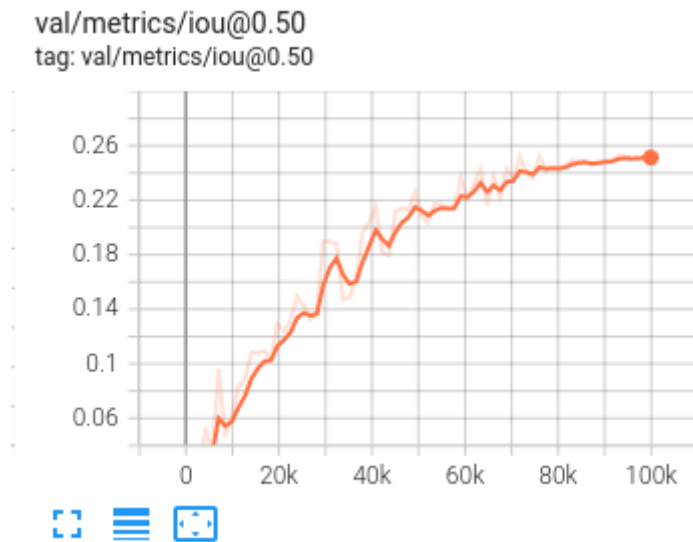
100K steps, lr: $1e-3$, wd: $1e-7$



cvt_io_v2_5:

latent array: $N = 3$, $L = 1$ (实验设置出错), self attention shape: $[b, d, H, W]$, self attention共享权值

100K steps, lr: $4e-3$, wd: $1e-7$



cvt_io_v2_6:

latent array: N = 5, L = 12, self attention shape: [b, d, H, W], self attention共享权值

100K steps, lr: 4e-3, wd: 1e-7

30k steps之后nan了

cvt_io_v2_7:

latent array: N = 5, L = 12, self attention shape: [b, d, H, W], self attention共享权值

100K steps, lr: 1e-3, wd: 1e-7

	IOU@0.50	Params	FLOPs	Cost-Time
cvt	0.36	670.32K	6.934G	46.67ms
cvt_io_v1_1	0.34	936.94K	7.438G	36.91ms
cvt_io_v2_1	0.34	936.94K	6.918G	35.17ms
cvt_io_v2_2	0.328	936.94K	6.81G	33.08ms
cvt_io_v2_5	0.25	936.94K	6.78G	29.8ms