```
name: "VGG_ILSVRC_16_layers"

2 layer {
3 name: 'input-data'
4 type: 'Python'
5 top: 'data'
6 top: 'im_info'
7 top: 'gl_boxes'
8 python_param {
9 module: 'rol_data_layer.layer'
10 layer: RolDatalayer'
11 param_str: "'num_classes': 2"
13 }
13 }
            14 | 15 layer { | 16 name: "conv1_1" | 17 type: "Convolution" | 18 bottom: "data" | 19 top: "conv1_1" | 20 param { | 1 r_mult: 0 | 22 decay_mult: 0 | 23 }
                                param {
    lr_mult: 0
    decay_mult: 0
                                }
convolution_param {
  num_output: 64
  pad: 1
  kernel_size: 3
            38 top: "convi_1"
39 }
40 layer {
41 name: "convi_2"
42 type: "Convolution"
43 bottom: "convi_1"
44 top: "convi_2"
45 param {
46 lr_mult: 0
47 decay_mult: 0
48 }
                                param {
    lr_mult: 0
    decay_mult: 0
                                }
convolution_param {
  num_output: 64
  pad: 1
  kernel_size: 3
         56 kernel_size: 3

57 }

58 }

59 layer {

60 name: "relu1_2"

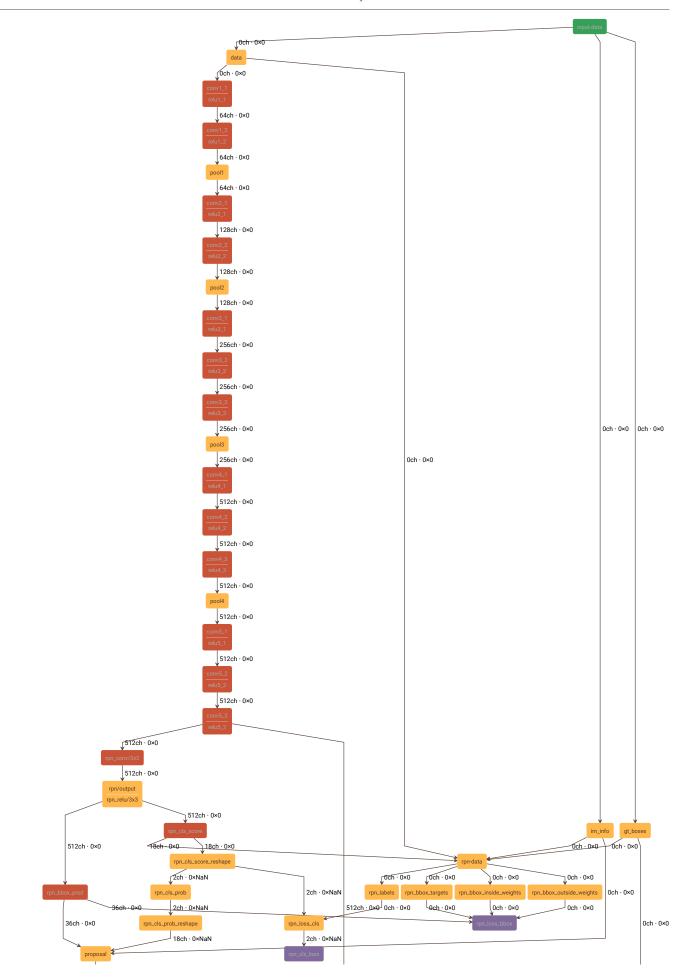
61 type: "RekU"

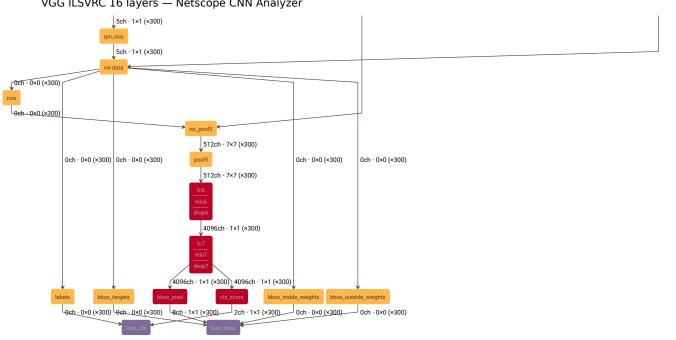
62 bottom: "conv1_2"

63 top: "conv1_2"

64 }
```

VGG ILSVRC 16 layers (edit)





Network Analysis

ID	name	type	batch	ch_in	dim_in	ch_out	dim_out	ops	mem
1	input-data	Python			undefinedxundefined		0x0		
2	data	implicit		0	0x0	0	0x0		
3	conv1_1	Convolution		0	0x0	64	0x0		param 64
4	relu1_1	ReLU		64	0x0	64	0x0		
5	conv1_2	Convolution		64	0x0	64	0x0		
0	COTIVI_2	CONVOIGNON		04	0.00	04	OAO		param 36.93k
6	relu1_2	ReLU		64	0x0	64	0x0		
7	pool1	Pooling		64	0x0	64	0x0		
8	conv2_1	Convolution		64	0x0	128	0x0		param 73.86k
^	10 1	D-III		100	00	100	00		
9 10	relu2_1 conv2_2	ReLU Convolution		128 128	0x0 0x0	128 128	0x0 0x0		
10	COTIVZ_Z	Convolution		120	UXU	120	UXU		param 147.58k
11	relu2_2	ReLU		128	0x0	128	0x0		
12	pool2	Pooling		128	0x0	128	0x0		
13	conv3_1	Convolution		128	0x0	256	0x0		param 295.17k
_									
14	relu3_1	ReLU		256	0x0	256	0x0		
15	conv3_2	Convolution		256	0x0	256	0x0		param 590.08k
16	relu3_2	ReLU		256	0x0	256	0x0		
17	conv3_3	Convolution		256	0x0	256	0x0		param 590.08k
									paraili 390.08K
18	relu3_3	ReLU		256	0x0	256	0x0		
19	pool3	Pooling		256	0x0	256	0x0		
20	conv4_1	Convolution		256	0x0	512	0x0		param 1.18M
21	relu4_1	ReLU		512	0x0	512	0x0		
22	conv4_2	Convolution		512	0x0	512	0x0		
	CO11+1_2	SSTIVOIULION		312	0.00	012	UAU		param 2.36M
23	relu4_2	ReLU		512	0x0	512	0x0		
24	conv4_3	Convolution		512	0x0	512	0x0		param 2.36M
0.5	1.4.0	B		F4-	0.0	F40			
25	relu4_3	ReLU		512	0x0	512	0x0		
26	pool4	Pooling		512	0x0	512	0x0		
27	conv5_1	Convolution		512	0x0	512	0x0		param 2.36M
28	relu5_1	ReLU		512	0x0	512	0x0		
29	conv5_2	Convolution		512	0x0	512	0x0		param 2.36M
									2.30IVI
30	relu5_2	ReLU		512	0x0	512	0x0		
31	conv5_3	Convolution		512	0x0	512	0x0		param 2.36M
32	relu5_3	ReLU		512	0x0	512	0x0		
33	rpn_conv/3x3	Convolution		512	0x0	512	0x0		norm 0 001
JJ	.p./_conv/ox3	Convolution		012	5.10	312	570		param 2.36M
34	im_info	implicit		0	0x0	0	0x0		
35	gt_boxes	implicit		0	0x0	0	0x0		
36	rpn/output	implicit		512	0x0	512	0x0		
37	rpn_relu/3x3	ReLU		512	0x0	512	0x0		
38	rpn_bbox_pred	Convolution		512	0x0	36	0x0		param 18.47k
39		Convolution		512	0x0	18	0x0		
39	rpn_cls_score	Convolution		512	UXU	18	UXU		param 9.23k
40	rpn-data	Python		18	0x0	0	0x0		
41	rpn_cls_score_reshape	Reshape		18	0x0	2	0xNaN		
42	rpn_cls_prob	Softmax		2	0xNaN	2	0xNaN		
43	rpn_cls_prob_reshape	Reshape		2	0xNaN	18	0xNaN		
44	proposal	Python		18	0xNaN	5	1x1	div 44.85k	activation 1.5k
45	rpn_labels	implicit		0	0x0	0	0x0		
46	rpn_loss_cls	SoftmaxWithLoss		2	0xNaN 0x0	2	0xNaN		
47	rpn_bbox_targets	implicit		0		0	0x0		

49	rpn_bbox_outside_weight	ts implicit	0	0x0	0	0x0			
50	rpn_loss_bbox	SmoothL1Loss	36	0x0	0	0x0			
1	rpn_cls_loss	implicit	2	0xNaN	2	0xNaN			
52	rpn_rois	implicit	5	1x1	5	1x1		activatio	1.5k
3	roi-data	Python	5	1x1	0	0x0			
4	rois	implicit	0	0x0	0	0x0			
5	roi_pool5	ROIPooling	512	0x0	512	7x7	macc 300	activatio	n 7.53M
							add 300		
							div 300		
6	labels	implicit	0	0x0	0	0x0			
7	bbox_targets	implicit	0	0x0	0	0x0			
8	bbox_inside_weights	implicit	0	0x0	0	0x0			
9	bbox_outside_weights	implicit	0	0x0	0	0x0			
0	pool5	implicit	512	7x7	512	7x7		activatio	7.53M
1	fc6	InnerProduct	512	7x7	4096	1x1	macc 30.83G	activatio	n 1.23M
								param	102.76
2	relu6	ReLU	4096	1x1	4096	1x1	comp 1.23M	activatio	1.23M
3	drop6	Dropout	4096	1x1	4096	1x1	comp 1.23M	activatio	1.23M
4	fc7	InnerProduct	4096	1x1	4096	1x1	macc 5.03G	activatio	1.23M
								param	16.78M
5	relu7	ReLU	4096	1x1	4096	1x1	comp 1.23M	activatio	1.23M
6	drop7	Dropout	4096	1x1	4096	1x1	comp 1.23M	activatio	1.23M
7	bbox_pred	InnerProduct	4096	1x1	8	1x1	macc 9.83M	activatio	n 2.4k
								param	32.78k
8	loss_bbox	SmoothL1Loss	8	1x1	0	0x0			
9	cls_score	InnerProduct	4096	1x1	2	1x1	macc 2.46M	activatio	n 600
)	name	type batch	ch_in	dim_in	ch_out	dim_out	ops	param	8.19k
0	loss_cls	SoftmaxWithLoss	2	1x1	2	1x1	add 600	activatio	n 600
							div 600		
							exp 600		
	TOTAL						macc NaN	activatio	n NaN
							comp NaN	param	136.691
							add NaN		
							div NaN		
							exp NaN		

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```
490 layer {
491 name: 'proposal'
493 bottom: 'rpn.cls prob_reshape'
494 bottom: 'rpn.box_pred'
495 bottom: 'imm.info'
496 top: 'rpn.prois'
497 topim'prn.scores'
498 promodule: 'rpn.proposallayer'
590 layer: 'Proposallayer'
591 param_str: "'feat_stride': 16"
592 }
593 }
594 }
595 }
596 # Apper: 'Python'
599 # bottom: 'rpn.gores'
510 # bottom: 'rpn.gores'
511 # python_param {
512 # module: 'rpn.debug_layer'
513 # layer: 'RPNOebug_layer'
514 param_str: 'roi_data'
515 # jaram_str: 'roi_data'
516 # hore 'rpn.gores'
517 layer {
518 name: 'ryi_data'
520 bottom: 'rpn.gores'
521 bottom: 'rpn.gores'
522 top: 'rois'
523 top: 'labels'
524 top: 'bbox_instdes_weights'
525 top: 'bbox_instdes_weights'
526 param_str: "'num_classes': 2"
537 param_str: "'num_classes': 2"
538 jaram_str: "'num_classes': 2"
539 layer {
530 aper {
531 aper {
532 param_str: "'num_classes': 2"
533 param_str: "'num_classes': 2"
534 poled_w: 7
535 poled_w: 7
536 param {
537 name: "folooling_param {
538 poled_w: 7
539 poled_w: 7
540 poled_w: 7
551 poled_w: 7
552 pore 'molooling'
553 param {
554 param {
555 param {
556 layer {
557 param {
557 param {
558 param {
559 layer {
550 name: "relu6"
550 layer {
550 name: "relu6"
551 param {
552 top: "fore 'Popout_param {
553 param {
554 param {
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557 param {
557 param {
558 param {
559 layer {
550 name: "relu6"
550 layer {
550 name: "relu6"
551 param {
552 top: "fore 'Popout_param {
553 param {
554 param {
555 param {
557 param {
557 param {
558 param {
559 layer {
560 layer {
570 name: "relu7"
571 param_str: "lum.param {
571 param_str: "lum.param {
572 param {
573 param {
574 popout_param {
575 param {
576 param {
577 param {
577 param {
578 param {
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571 param_str: "lum.param {
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```

	ayers — Netsc	оре Сии А	Allaly.	201					
								exp 0	
9	relu2_1	ReLU	?	128	0x0	128	0x0		
,	10102_1	NCLO		120	UAU .	120	0.00	macc 0	activation NaN
								add 0	param 0
								div 0	
								exp 0	
40		0 11:		400		400			
10	conv2_2	Convolution	?	128	0x0	128	0x0	macc NaN	activation NaN
								comp 0	param 147584
								add 0	
								div 0	
								exp 0	
11	relu2_2	ReLU	?	128	0x0	128	0x0	macc 0	activation NaN
								comp NaN	param 0
								add 0	
								div 0	
								exp 0	
12	pool2	Pooling	?	128	0x0	128	0x0	macc 0	activation NaN
								comp NaN	param 0
								add 0	
								div 0	
								exp 0	
13	conv3_1	Convolution	?	128	0x0	256	0x0	macc NaN	activation NaN
								comp 0	param 295168
								add 0	
								div 0	
								exp 0	
14	relu3_1	ReLU	?	256	0x0	256	0x0	macc 0	activation NaN
	<u>-</u>				-			comp NaN	param 0
								add 0	param 0
								div 0	
								exp 0	
15	2.0	0	2	056	00	056	00		
15	conv3_2	Convolution	?	256	0x0	256	0x0	macc NaN	activation NaN
								comp 0	param 590080
								add 0	
								exp 0	
								exp 0	
16	relu3_2	ReLU	?	256	0x0	256	0x0	macc 0	activation NaN
								comp NaN	param 0
ID	name	type	batch	ch_in	dim_in	ch_out	dim_out	add 0 ops_r: div 0	mem_raw
		••						div 0	
								exp 0	
17	conv3_3	Convolution	?	256	0x0	256	0x0	exp 0 macc NaN	activation NaN
17	conv3_3	Convolution	?	256	0x0	256	0x0		activation NaN param 590080
17	conv3_3	Convolution	?	256	0x0	256	0x0	macc NaN	
17	conv3_3	Convolution	?	256	0x0	256	0x0	macc NaN	
17	conv3_3	Convolution	?	256	0x0	256	0x0	macc NaN comp 0 add 0	
	conv3_3	Convolution	?	256 256	0x0 0x0	256 256	0x0 0x0	macc NaN comp 0 add 0 div 0	
								macc NaN comp 0 add 0 div 0 exp 0	param 590080
								macc NaN comp 0 add 0 div 0 exp 0	param 590080 activation NaN
								macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN	param 590080 activation NaN
								macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0	param 590080 activation NaN
18								macc NaN	activation NaN param 0
18	relu3_3	ReLU	?	256	0x0	256	0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0	activation NaN param 0
18	relu3_3	ReLU	?	256	0x0	256	0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp 0	activation NaN param 0
18	relu3_3	ReLU	?	256	0x0	256	0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0	activation NaN param 0
18	relu3_3	ReLU	?	256	0x0	256	0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 exp 0 macc 0 comp NaN add 0	activation NaN param 0
18	relu3_3 pool3	ReLU	?	256	0x0 0x0	256	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 comp NaN add 0 div 0 comp NaN add 0	activation NaN param 0 activation NaN param 0
18	relu3_3	ReLU	?	256	0x0	256	0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 comp NaN add 0 div 0 comp NaN add 0 div 0 exp 0 macc NaN	activation NaN param 0 activation NaN param 0 activation NaN param 0
18	relu3_3 pool3	ReLU	?	256	0x0 0x0	256	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0
18	relu3_3 pool3	ReLU	?	256	0x0 0x0	256	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc volume of the comp o macc volume o macc NaN comp 0 add 0	activation NaN param 0 activation NaN param 0 activation NaN param 0
18	relu3_3 pool3	ReLU	?	256	0x0 0x0	256	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0	activation NaN param 0 activation NaN param 0 activation NaN param 0
19 20	relu3_3 pool3 conv4_1	ReLU Pooling Convolution	?	256 256	0x0 0x0	256 256 512	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20	relu3_3 pool3	ReLU	?	256	0x0 0x0	256	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20	relu3_3 pool3 conv4_1	ReLU Pooling Convolution	?	256 256	0x0 0x0	256 256 512	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20	relu3_3 pool3 conv4_1	ReLU Pooling Convolution	?	256 256	0x0 0x0	256 256 512	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macd 0 div 0 exp 0 macd 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 comp NaN add 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20	relu3_3 pool3 conv4_1	ReLU Pooling Convolution	?	256 256	0x0 0x0	256 256 512	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macd 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20 21	relu3_3 pool3 conv4_1 relu4_1	ReLU Pooling Convolution	?	256 256 512	0x0 0x0 0x0	256 256 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macd 0 div 0 exp 0 macd 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 comp NaN add 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20 21	relu3_3 pool3 conv4_1	ReLU Pooling Convolution	?	256 256	0x0 0x0	256 256 512	0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macd 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160
19 20 21	relu3_3 pool3 conv4_1 relu4_1	ReLU Pooling Convolution	?	256 256 512	0x0 0x0 0x0	256 256 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macd 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0
19 20 21	relu3_3 pool3 conv4_1 relu4_1	ReLU Pooling Convolution	?	256 256 512	0x0 0x0 0x0	256 256 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0
19 20 21	relu3_3 pool3 conv4_1 relu4_1	ReLU Pooling Convolution	?	256 256 512	0x0 0x0 0x0	256 256 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN add 0 div 0 exp 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0
19 20 21	relu3_3 pool3 conv4_1 relu4_1	ReLU Pooling Convolution	?	256 256 512	0x0 0x0 0x0	256 256 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0
18 19 20 21	relu3_3 pool3 conv4_1 relu4_1	ReLU Pooling Convolution	?	256 256 512	0x0 0x0 0x0	256 256 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN add 0 div 0 exp 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0
18 19 20 21	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution	?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN comp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN add 0 div 0 exp 0 add 0 div 0 exp 0 add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 0
18 19 20 21	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution	?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0	mace NaN comp 0 add 0 div 0 exp 0 div 0 exp 0 div 0 exp 0 mace 0 comp NaN add 0 div 0 exp 0 mace NaN comp 0 add 0 div 0 exp 0 mace 0 comp NaN add 0 div 0 exp 0 mace NaN comp NaN add 0 div 0 exp 0 mace 0 comp NaN add 0 div 0 exp 0 mace 0 comp NaN add 0 div 0 exp 0 mace 0 comp NaN add 0 div 0 exp 0 mace 0 comp NaN add 0 div 0 exp 0 mace NaN comp 0 add 0 div 0 exp 0 mace NaN comp 0 add 0 div 0 exp 0 add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 2359808
18 19 20 21	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution	?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 2359808
18 19 20 21	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution	?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 2359808
18 19 20 21 22 23	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution	?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0 macc naN comp 0 add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 2359808
18 19 20 21 22 23	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution ReLU ReLU	? ? ?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 2359808
18 19 20 21 22 23	relu3_3 pool3 conv4_1 relu4_1 conv4_2	ReLU Pooling Convolution ReLU ReLU	? ? ?	256 256 256 512	0x0 0x0 0x0 0x0	256 256 512 512	0x0 0x0 0x0 0x0	macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc 0 comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc NaN comp 0 macc comp NaN add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc NaN comp 0 add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0 macc comp NaN add 0 div 0 exp 0	activation NaN param 0 activation NaN param 0 activation NaN param 1180160 activation NaN param 0 activation NaN param 0 activation NaN param 0

```
12/13/2018
653 layer {
655 name: "loss_cls"
656 type: "SoftmaxWithLoss"
657 bottom: "cls_score"
658 bottom: "labels"
659 propagate_down: 1
660 propagate_down: 0
661 top: "loss_cls"
662 loss_wight: 1
663 }
664 layer {
665 name: "loss_bbox"
666 type: "SmoothLics"
667 bottom: "bbox_pred"
668 bottom: "bbox_pred"
669 bottom: "bbox_laride_weights"
670 bottom: "bbox_inside_weights"
671 top: "loss_bbox"
672 loss_bbox*
```

6	ayers — Netsc	ope CNN A	naly:	zer				div 0 exp 0	
25	relu4_3	ReLU	?	512	0x0	512	0x0	macc 0 comp NaN add 0 div 0	activation NaN param 0
26	pool4	Pooling	?	512	0x0	512	0x0	macc 0 comp NaN add 0 div 0	activation NaN param 0
27	conv5_1	Convolution	?	512	0x0	512	0x0	macc NaN comp 0	activation NaN param 2359808
28	relu5_1	ReLU	?	512	0x0	512	0x0	exp 0	activation NaN param 0
29	conv5_2	Convolution	?	512	0x0	512	0x0	exp 0	activation NaN param 2359808
30	relu5_2	ReLU	?	512	0x0	512	0x0	div 0	activation NaN
31	conv5_3	Convolution	?	512	0x0	512	0x0	div 0	activation NaN param 2359808
32 ID	relu5_3	ReLU type	?	512 ch_in	0x0 dim_in	512 ch_out	0x0	macc 0 comp NaN	activation NaN param 0 mem_raw
33	rpn_conv/3x3	Convolution	?	512	0x0	512	0x0	div 0	activation NaN param 2359808
34	im_info	implicit	?	0	0x0	0	0x0	div 0	activation 0 param 0
35	gtboxes	implicit	?	0	0x0	0	0x0	div 0 0	activation 0 param 0
36	rpn/output	implicit	?	512	0x0	512	0x0	div 0 0	activation 0 param 0
37	rpn_relu/3x3	ReLU	?	512	0x0	512	0x0	div 0	activation NaN
						36	0x0	exp 0 0 macc NaN	activation NaN
38	rpn_bbox_pred	Convolution	?	512	0x0			add 0	param 18468
38	rpn_bbox_pred rpn_cls_score	Convolution	?	512	0x0	18	0x0		activation NaN param 9234

http://dgschwend.github.io/netscope/#/editor

									0	
								ехф	0	
41	rpn_cls_score_reshape	Reshape	?	18	0x0	2	0xNaN	macc	n	activation 0
								comp		param 0
									0	
									0	
								ехр	0	
42	rpn_cls_prob	Softmax	?	2	0xNaN	2	0xNaN	macc	0	activation NaN
								comp		param 0
										param 0
									NaN	
									NaN	
								ехф	NaN	
43	rpn_cls_prob_reshape	Reshape	?	2	0xNaN	18	0xNaN	macc	n	activation 0
								comp		param 0
									0	
								div	0	
								ехф	0	
44	proposal	Python	?	18	0xNaN	5	1x1	macc	NaN	activation 1500
	hh	. ,								
								comp		param 0
									NaN	
								div	44850	
								ехр	NaN	
45	rpn_labels	implicit	?	0	0x0	0	0x0		_	anthention 0
		pnort		-		-	3.00	macc		activation 0
								comp		param 0
								add	0	
								div	0	
								ехр	0	
		0.6 11511					0.11.11			
46	rpn_loss_cls	SoftmaxWithLoss	!	2	0xNaN	2	0xNaN	macc	0	activation NaN
								comp	0	param 0
								add	NaN	
								div	NaN	
								ехр	NaN	
					0.0		0.0			
47	rpn_bbox_targets	implicit	?	0	0x0	0	0x0	macc	0	activation 0
								comp	0	param 0
								add	0	
								div	0	
									0	
									_	
48	rpn_bbox_inside_weights	implicit	?	0	0x0	0	0x0	macc	0	activation 0
ID							-11 ·			
	name	type	batch	ch_in	dim_in	ch_out	dim_out	6940b	0	beau tam 0
	name	type	batch	ch_in	dim_in	Cn_out	aim_out		0	henentam 0
	name	type	batch	ch_in	dim_in	cn_out	aim_out	add		Paratiaw 0
	name	уре	batch	ch_in	dim_in	cn_out	aim_out	add div	0	benerian 0
								add div	0	Person 0
	rpn_bbox_outside_weights		patch ?	ch_in 0	0 x0	0	dim_out	add div	0 0 0	activation 0
								add div exp	0 0 0	activation 0
								add div exp macc comp	0 0 0	activation 0
								add div exp macc comp add	0 0 0 0	activation 0
								add div exp macc comp add div	0 0 0 0 0 0 0	activation 0
49	rpn_bbox_outside_weights	implicit	?	0	0x0	0	0x0	add div exp macc comp add div	0 0 0 0	activation 0
49		implicit						add div exp macc comp add div	0 0 0 0 0 0 0 0	activation 0
49	rpn_bbox_outside_weights	implicit	?	0	0x0	0	0x0	add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0	activation 0
49	rpn_bbox_outside_weights	implicit	?	0	0x0	0	0x0	add div exp macc comp add div exp macc comp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0
49	rpn_bbox_outside_weights	implicit	?	0	0x0	0	0x0	add div exp macc comp add div exp macc comp	0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0
49	rpn_bbox_outside_weights	implicit	?	0	0x0	0	0x0	add div exp macc comp add div exp macc comp	0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0
49	rpn_bbox_outside_weights	implicit SmoothL1Loss	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp	0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0
49	rpn_bbox_outside_weights	implicit SmoothL1Loss	?	0	0x0	0	0x0	add div exp macc comp add div exp macc comp	0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0
49	rpn_bbox_outside_weights rpn_loss_bbox	implicit SmoothL1Loss	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0
49	rpn_bbox_outside_weights rpn_loss_bbox	implicit SmoothL1Loss	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp add div exp macc comp add comp add comp add comp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0
49	rpn_bbox_outside_weights rpn_loss_bbox	implicit SmoothL1Loss	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp add div exp macc comp add div exp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0
49	rpn_bbox_outside_weights rpn_loss_bbox	implicit SmoothL1Loss	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0
49	rpn_bbox_outside_weights rpn_loss_bbox	implicit SmoothL1Loss	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp add div exp add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0
49 50	rpn_bbox_outside_weights rpn_loss_bbox	implicit SmoothL1Loss implicit	?	0 36	0x0 0x0	0	0x0 0x0	add div exp macc comp add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0
49 50	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss	implicit SmoothL1Loss implicit	?	36	0x0 0x0 0xNaN	0	0x0 0x0 0xNaN	add div exp macc comp add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0
49 50	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss	implicit SmoothL1Loss implicit	?	36	0x0 0x0 0xNaN	0	0x0 0x0 0xNaN	add div exp macc comp		activation 0 param 0 activation 0 param 0
49 50	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss	implicit SmoothL1Loss implicit	?	36	0x0 0x0 0xNaN	0	0x0 0x0 0xNaN	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0
49 50	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss	implicit SmoothL1Loss implicit	?	36	0x0 0x0 0xNaN	0	0x0 0x0 0xNaN	add div exp macc comp add div exp macc comp add div exp macc comp add div exp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0
49 50	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss	implicit SmoothL1Loss implicit	?	36	0x0 0x0 0xNaN	0	0x0 0x0 0xNaN	add div exp macc comp add div exp macc comp add div exp macc comp add div exp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss	implicit SmoothL1Loss implicit implicit	?	36	0x0 0x0 0xNaN	0	0x0 0x0 0xNaN	add div exp macc comp add div exp macc comp add div exp macc comp add div exp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois	implicit SmoothL1Loss implicit implicit	? ? 300	36	0x0 0x0 0xNaN	0 2 5	0x0 0x0 0xNaN	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0 activation 1500 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois	implicit SmoothL1Loss implicit implicit	? ? 300	36	0x0 0x0 0xNaN	0 2 5	0x0 0x0 0xNaN	add div exp macc comp add comp		activation 0 param 0 activation 0 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois	implicit SmoothL1Loss implicit implicit	? ? 300	36	0x0 0x0 0xNaN	0 2 5	0x0 0x0 0xNaN	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0 activation 1500 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois	implicit SmoothL1Loss implicit implicit	? ? 300	36	0x0 0x0 0xNaN	0 2 5	0x0 0x0 0xNaN	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0 activation 1500 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois	implicit SmoothL1Loss implicit implicit	? ? 300	36	0x0 0x0 0xNaN	0 2 5	0x0 0x0 0xNaN	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 0 param 0 activation 1500 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois	implicit SmoothL1Loss implicit implicit	? ? 300	36	0x0 0x0 0xNaN	0 2 5	0x0 0x0 0xNaN	add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit implicit	? ? ? 300	0 36 2	0x0 0x0 0xNaN 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1	add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit implicit	? ? ? 300	0 36 2	0x0 0x0 0xNaN 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1	add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit implicit	? ? ? 300	0 36 2	0x0 0x0 0xNaN 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit implicit	? ? ? 300	0 36 2	0x0 0x0 0xNaN 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
49 50 51	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit implicit	? ? ? 300	0 36 2	0x0 0x0 0xNaN 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1	add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
552	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python	? ? ? 300	0 36 2	0x0 0x0 0xNaN 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1	add div exp macc comp add div exp add div exp macc comp add div exp		activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
552	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python	? ? 300	0 36 2 5 5	0x0 0x0 0xNaN 1x1 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1 0x0	add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0 activation 0 param 0
552	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python	? ? 300	0 36 2 5 5	0x0 0x0 0xNaN 1x1 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1 0x0	add div exp macc comp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0
552	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python	? ? 300	0 36 2 5 5	0x0 0x0 0xNaN 1x1 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1 0x0	add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0 activation 0 param 0
552	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python	? ? 300	0 36 2 5 5	0x0 0x0 0xNaN 1x1 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1 0x0	add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0 activation 0 param 0
552	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python	? ? 300	0 36 2 5 5	0x0 0x0 0xNaN 1x1 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1 0x0	add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0 activation 0 param 0
550 550 553	rpn_bbox_outside_weights rpn_loss_bbox rpn_cls_loss rpn_rois roi-data	implicit SmoothL1Loss implicit Python implicit ROIPooling	? ? 300	0 36 2 5 5	0x0 0x0 0xNaN 1x1 1x1	0 0 2 5	0x0 0x0 0xNaN 1x1 0x0	add div exp macc comp add div exp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	activation 0 param 0 activation 0 param 0 activation 1500 param 0 activation 0 param 0 activation 0 param 0

layers ivees	cope citit i	. ,						
							comp 0 add 0 div 0 exp 0	param 0
7 bbox_targets	implicit	300	0	0x0	0	0x0	macc 0 comp 0 add 0 div 0 exp 0	activation 0 param 0
3 bbox_inside_weights	implicit	300	0	0x0	0	0x0	macc 0 comp 0 add 0 div 0 exp 0	activation 0 param 0
bbox_outside_weights	implicit	300	0	0x0	0	0x0	macc 0 0 0	param 0
) pool5	implicit	300	512	7x7	512	7x7	macc 0 comp 0 add 0 div 0 exp 0	activation 7526400 param 0
I fc6	InnerProduct	300	512	7x7	4096	1x1	macc 30828134400 comp 0 add 0 div 0 exp 0	activation 1228800 param 102764544
? relu6	ReLU	300	4096	1x1	4096	1x1	macc 0 comp 1228800 add 0 div 0 exp 0	activation 1228800 param 0
3 drop6	Dropout	300	4096	1x1	4096	1x1	macc 0 comp 1228800 add 0 div 0 exp 0	activation 1228800 param 0
fiame	iggerProduct	Batch	é h3h	ålírh∟n	ch_ou t	dlin_out	opace 5033164800 comp 0 add 0 div 0	nathation 1228800 param 16781312
i relu7	ReLU	300	4096	1x1	4096	1x1	macc 0 comp 1228800 add 0 div 0	activation 1228800 param 0
i drop7	Dropout	300	4096	1x1	4096	1x1	macc 0 comp 1228800 add 0 div 0 exp 0	activation 1228800 param 0
bbox_pred	InnerProduct	300	4096	1x1	8	1x1	macc 9830400 comp 0 add 0 div 0 exp 0	activation 2400 param 32776
3 loss_bbox	SmoothL1Loss	300	8	1x1	0	0x0	macc 0 comp 0 add 0 div 0 exp 0	activation 0 param 0
cls_score	InnerProduct	300	4096	1x1	2	1x1	macc 2457600 comp 0 add 0	activation 600 param 8194
							div 0 0	

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