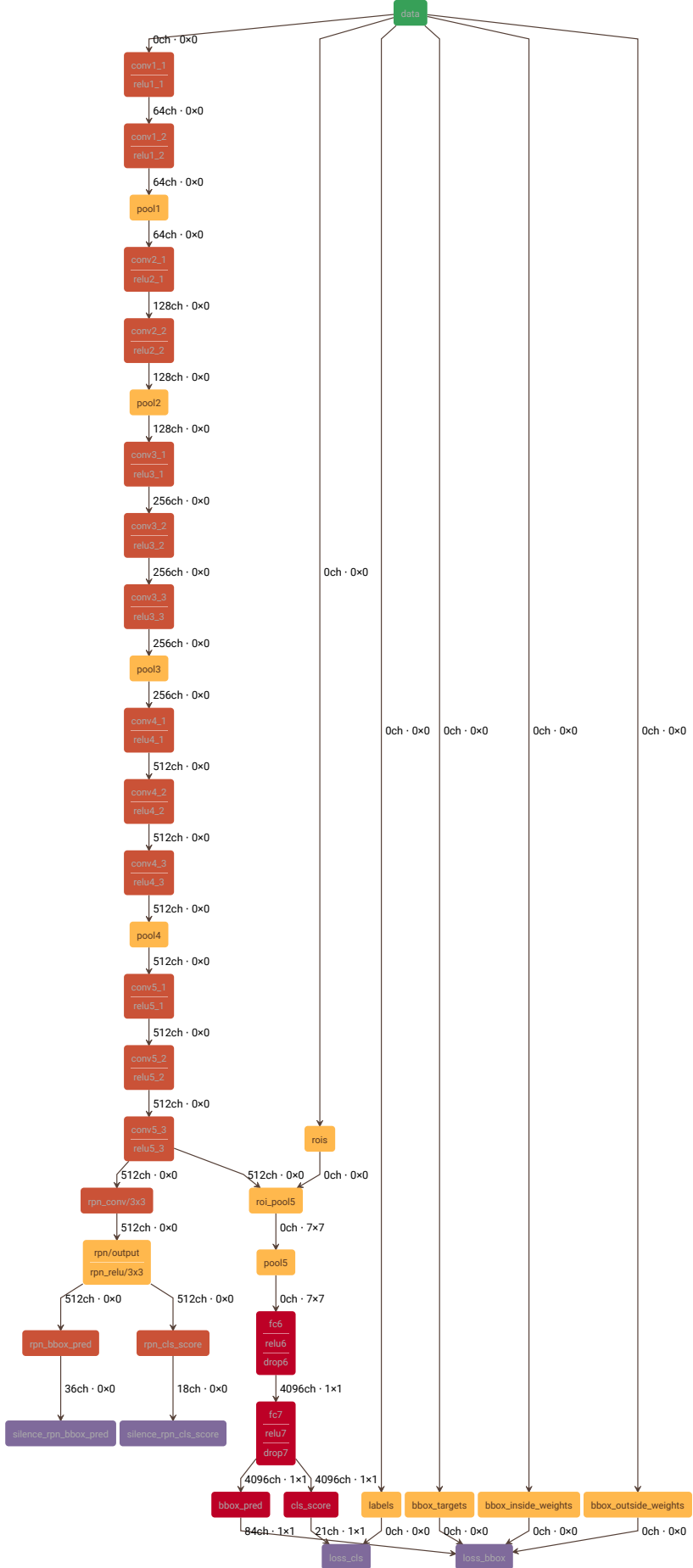


```
1 name: "VGG_ILSVRC_16_layers"
2 layer {
3   name: "data"
4   type: "Python"
5   top: "data"
6   top: "rois"
7   top: "labels"
8   top: "bbox_targets"
9   top: "bbox_inside_weights"
10  top: "bbox_outside_weights"
11  python_param {
12    module: 'roi_data_layer.layer'
13    layer: 'RoIDataLayer'
14    param_str: '"num_classes': 21"
15  }
16 }
17 layer {
18   name: "conv1_1"
19   type: "Convolution"
20   bottom: "data"
21   top: "conv1_1"
22   param { lr_mult: 0 decay_mult: 0 }
23   param { lr_mult: 0 decay_mult: 0 }
24   convolution_param {
25     num_output: 64
26     pad: 1
27     kernel_size: 3
28   }
29 }
30 layer {
31   name: "relu1_1"
32   type: "ReLU"
33   bottom: "conv1_1"
34   top: "conv1_1"
35 }
36 layer {
37   name: "conv1_2"
38   type: "Convolution"
39   bottom: "conv1_1"
40   top: "conv1_2"
41   param { lr_mult: 0 decay_mult: 0 }
42   param { lr_mult: 0 decay_mult: 0 }
43   convolution_param {
44     num_output: 64
45     pad: 1
46     kernel_size: 3
47   }
48 }
49 layer {
50   name: "relu1_2"
51   type: "ReLU"
52   bottom: "conv1_2"
53   top: "conv1_2"
54 }
55 layer {
56   name: "pool1"
57   type: "Pooling"
58   bottom: "conv1_2"
59   top: "pool1"
60   pooling_param {
61     pool: MAX
62     kernel_size: 2
63     stride: 2
64   }
65 }
66 layer {
67   name: "conv2_1"
68   type: "Convolution"
69   bottom: "pool1"
70   top: "conv2_1"
71   param { lr_mult: 0 decay_mult: 0 }
72   param { lr_mult: 0 decay_mult: 0 }
73   convolution_param {
74     num_output: 128
75     pad: 1
76     kernel_size: 3
77   }
78 }
79 layer {
80   name: "relu2_1"
81   type: "ReLU"
82   bottom: "conv2_1"
83   top: "conv2_1"
84 }
85 layer {
86   name: "conv2_2"
87   type: "Convolution"
88   bottom: "conv2_1"
89   top: "conv2_2"
90   param { lr_mult: 0 decay_mult: 0 }
91   param { lr_mult: 0 decay_mult: 0 }
92   convolution_param {
93     num_output: 128
94     pad: 1
95     kernel_size: 3
96   }
97 }
98 layer {
99   name: "relu2_2"
100  type: "ReLU"
101  bottom: "conv2_2"
102  top: "conv2_2"
103 }
104 layer {
105   name: "pool2"
106   type: "Pooling"
107   bottom: "conv2_2"
108   top: "pool2"
109   pooling_param {
110     pool: MAX
111     kernel_size: 2
112     stride: 2
113   }
114 }
115 layer {
116   name: "conv3_1"
117   type: "Convolution"
118   bottom: "pool2"
119   top: "conv3_1"
120   param {
121     lr_mult: 1
122   }
123   param {
124     lr_mult: 2
125   }
126   convolution_param {
127     num_output: 256
128     pad: 1
129     kernel_size: 3
130   }
131 }
132 layer {
133   name: "relu3_1"
134   type: "ReLU"
135   bottom: "conv3_1"
136   top: "conv3_1"
137 }
138 layer {
139   name: "conv3_2"
140   type: "Convolution"
141   bottom: "conv3_1"
142   top: "conv3_2"
143   param {
144     lr_mult: 1
145   }
146   param {
147     lr_mult: 2
148   }
149   convolution_param {
150     num_output: 256
151     pad: 1
152     kernel_size: 3
153   }
154 }
155 layer {
156   name: "relu3_2"
157   type: "ReLU"
158   bottom: "conv3_2"
159   top: "conv3_2"
160 }
161 layer {
162   name: "conv3_3"
163   type: "Convolution"
```

Error Encountered
Unknown Layer: silence

VGG ILSVRC 16 layers (pdf)



```
164 bottom: "conv3_2"
165 top: "conv3_3"
166 param {
167   lr_mult: 1
168 }
169 param {
170   lr_mult: 2
171 }
172 convolution_param {
173   num_output: 256
174   pad: 1
175   kernel_size: 3
176 }
177 }
178 layer {
179   name: "relu3_3"
180   type: "ReLU"
181   bottom: "conv3_3"
182   top: "conv3_3"
183 }
184 layer {
185   name: "pool3"
186   type: "Pooling"
187   bottom: "conv3_3"
188   top: "pool3"
189   pooling_param {
190     pool: MAX
191     kernel_size: 2
192     stride: 2
193   }
194 }
195 layer {
196   name: "conv4_1"
197   type: "Convolution"
198   bottom: "pool3"
199   top: "conv4_1"
200   param {
201     lr_mult: 1
202   }
203   param {
204     lr_mult: 2
205   }
206   convolution_param {
207     num_output: 512
208     pad: 1
209     kernel_size: 3
210   }
211 }
212 layer {
213   name: "relu4_1"
214   type: "ReLU"
215   bottom: "conv4_1"
216   top: "conv4_1"
217 }
218 layer {
219   name: "conv4_2"
220   type: "Convolution"
221   bottom: "conv4_1"
222   top: "conv4_2"
223   param {
224     lr_mult: 1
225   }
226   param {
227     lr_mult: 2
228   }
229   convolution_param {
230     num_output: 512
231     pad: 1
232     kernel_size: 3
233   }
234 }
235 layer {
236   name: "relu4_2"
237   type: "ReLU"
238   bottom: "conv4_2"
239   top: "conv4_2"
240 }
241 layer {
242   name: "conv4_3"
243   type: "Convolution"
244   bottom: "conv4_2"
245   top: "conv4_3"
246   param {
247     lr_mult: 1
248   }
249   param {
250     lr_mult: 2
251   }
252   convolution_param {
253     num_output: 512
254     pad: 1
255     kernel_size: 3
256   }
257 }
258 layer {
259   name: "relu4_3"
260   type: "ReLU"
261   bottom: "conv4_3"
262   top: "conv4_3"
263 }
264 layer {
265   name: "pool4"
266   type: "Pooling"
267   bottom: "conv4_3"
268   top: "pool4"
269   pooling_param {
270     pool: MAX
271     kernel_size: 2
272     stride: 2
273   }
274 }
275 layer {
276   name: "conv5_1"
277   type: "Convolution"
278   bottom: "pool4"
279   top: "conv5_1"
280   param {
281     lr_mult: 1
282   }
283   param {
284     lr_mult: 2
285   }
286   convolution_param {
287     num_output: 512
288     pad: 1
289     kernel_size: 3
290   }
291 }
292 layer {
293   name: "relu5_1"
294   type: "ReLU"
295   bottom: "conv5_1"
296   top: "conv5_1"
297 }
298 layer {
299   name: "conv5_2"
300   type: "Convolution"
301   bottom: "conv5_1"
302   top: "conv5_2"
303   param {
304     lr_mult: 1
305   }
306   param {
307     lr_mult: 2
308   }
309   convolution_param {
310     num_output: 512
311     pad: 1
312     kernel_size: 3
313   }
314 }
315 layer {
316   name: "relu5_2"
317   type: "ReLU"
318   bottom: "conv5_2"
319   top: "conv5_2"
320 }
321 layer {
322   name: "conv5_3"
323   type: "Convolution"
324   bottom: "conv5_2"
325   top: "conv5_3"
326   param {
```

Network Analysis										
Summary:										
ID	name	type	batch	ch_in	dim_in	ch_out	dim_out	ops	mem	
1	data	Python			undefinedxundefined	0	0x0			
2	conv1_1	Convolution	0	0x0		64	0x0		param	64
3	relu1_1	ReLU	64	0x0		64	0x0			
4	conv1_2	Convolution	64	0x0		64	0x0		param	36.93k
5	relu1_2	ReLU	64	0x0		64	0x0			
6	pool1	Pooling	64	0x0		64	0x0			
7	conv2_1	Convolution	64	0x0		128	0x0		param	73.86k
8	relu2_1	ReLU	128	0x0		128	0x0			
9	conv2_2	Convolution	128	0x0		128	0x0		param	147.58k
10	relu2_2	ReLU	128	0x0		128	0x0			
11	pool2	Pooling	128	0x0		128	0x0			
12	conv3_1	Convolution	128	0x0		256	0x0		param	295.17k
13	relu3_1	ReLU	256	0x0		256	0x0			
14	conv3_2	Convolution	256	0x0		256	0x0		param	590.08k
15	relu3_2	ReLU	256	0x0		256	0x0			
16	conv3_3	Convolution	256	0x0		256	0x0		param	590.08k
17	relu3_3	ReLU	256	0x0		256	0x0			
18	pool3	Pooling	256	0x0		256	0x0			
19	conv4_1	Convolution	256	0x0		512	0x0		param	1.18M
20	relu4_1	ReLU	512	0x0		512	0x0			
21	conv4_2	Convolution	512	0x0		512	0x0		param	2.36M
22	relu4_2	ReLU	512	0x0		512	0x0			
23	conv4_3	Convolution	512	0x0		512	0x0		param	2.36M
24	relu4_3	ReLU	512	0x0		512	0x0			
25	pool4	Pooling	512	0x0		512	0x0			
26	conv5_1	Convolution	512	0x0		512	0x0		param	2.36M
27	relu5_1	ReLU	512	0x0		512	0x0			
28	conv5_2	Convolution	512	0x0		512	0x0		param	2.36M
29	relu5_2	ReLU	512	0x0		512	0x0			
30	conv5_3	Convolution	512	0x0		512	0x0		param	2.36M
31	relu5_3	ReLU	512	0x0		512	0x0			
32	rpn_conv/3x3	Convolution	512	0x0		512	0x0		param	2.36M
33	rois	implicit	0	0x0		0	0x0			
34	roi_pool5	ROIPooling	0	0x0		0	7x7			
35	labels	implicit	0	0x0		0	0x0			
36	bbox_targets	implicit	0	0x0		0	0x0			
37	bbox_inside_weights	implicit	0	0x0		0	0x0			
38	bbox_outside_weights	implicit	0	0x0		0	0x0			
39	pool5	implicit	0	7x7		0	7x7			
40	fc6	InnerProduct	0	7x7		4096	1x1		param	4.1k
41	relu6	ReLU	4096	1x1		4096	1x1			
42	drop6	Dropout	4096	1x1		4096	1x1			
43	fc7	InnerProduct	4096	1x1		4096	1x1		param	16.78M
44	relu7	ReLU	4096	1x1		4096	1x1			
45	drop7	Dropout	4096	1x1		4096	1x1			
46	bbox_pred	InnerProduct	4096	1x1		84	1x1		param	344.15k
47	loss_bbox	SmoothL1Loss	84	1x1		0	0x0			
48	cls_score	InnerProduct	4096	1x1		21	1x1		param	86.04k
49	loss_cls	SoftmaxWithLoss	21	1x1		21	1x1			
50	rpn_output	implicit	512	0x0		512	0x0			
51	rpn_relu/3x3	ReLU	512	0x0		512	0x0			
52	rpn_bbox_pred	Convolution	512	0x0		36	0x0		param	18.47k
53	silence_rpn_bbox_pred	Silence	36	0x0		0	0x0			
54	rpn_cls_score	Convolution	512	0x0		18	0x0		param	9.23k
55	silence_rpn_cls_score	Silence	18	0x0		0	0x0			
TOTAL									macs	NaN
									comp	NaN
									add	NaN
									div	NaN
									exp	NaN
Details:										
ID	name	type	batch	ch_in	dim_in	ch_out	dim_out	ops_raw	mem_raw	
1	data	Python			undefinedxundefined	0	0x0	macs 0	activation	0
									comp	0
									param	0
									add	0
									div	0
									exp	0
2	conv1_1	Convolution	0	0x0		64	0x0	macs NaN	activation	NaN
									comp	0
									param	64
									add	0

```
327   lr_mult: 1
328 }
329 param {
330   lr_mult: 2
331 }
332 convolution_param {
333   num_output: 512
334   pad: 1
335   kernel_size: 3
336 }
337 }
338 layer {
339   name: "relu5_3"
340   type: "ReLU"
341   bottom: "conv5_3"
342   top: "conv5_3"
343 }
344 layer {
345   name: "roi_pool5"
346   type: "ROIPooling"
347   bottom: "conv5_3"
348   bottom: "rois"
349   top: "pool5"
350   roi_pooling_param {
351     pooled_w: 7
352     pooled_h: 7
353     spatial_scale: 0.0625 # 1/16
354   }
355 }
356 layer {
357   name: "fc6"
358   type: "InnerProduct"
359   bottom: "pool5"
360   top: "fc6"
361   param {
362     lr_mult: 1
363   }
364   param {
365     lr_mult: 2
366   }
367   inner_product_param {
368     num_output: 4096
369   }
370 }
371 layer {
372   name: "relu6"
373   type: "ReLU"
374   bottom: "fc6"
375   top: "fc6"
376 }
377 layer {
378   name: "drop6"
379   type: "Dropout"
380   bottom: "fc6"
381   top: "fc6"
382   dropout_param {
383     dropout_ratio: 0.5
384   }
385 }
386 layer {
387   name: "fc7"
388   type: "InnerProduct"
389   bottom: "fc6"
390   top: "fc7"
391   param {
392     lr_mult: 1
393   }
394   param {
395     lr_mult: 2
396   }
397   inner_product_param {
398     num_output: 4096
399   }
400 }
401 layer {
402   name: "relu7"
403   type: "ReLU"
404   bottom: "fc7"
405   top: "fc7"
406 }
407 layer {
408   name: "drop7"
409   type: "Dropout"
410   bottom: "fc7"
411   top: "fc7"
412   dropout_param {
413     dropout_ratio: 0.5
414   }
415 }
416 layer {
417   name: "cls_score"
418   type: "InnerProduct"
419   bottom: "fc7"
420   top: "cls_score"
421   param {
422     lr_mult: 1
423   }
424   param {
425     lr_mult: 2
426   }
427   inner_product_param {
428     num_output: 21
429   }
430   weight_filler {
431     type: "gaussian"
432     std: 0.01
433   }
434   bias_filler {
435     type: "constant"
436     value: 0
437   }
438 }
439 layer {
440   name: "bbox_pred"
441   type: "InnerProduct"
442   bottom: "fc7"
443   top: "bbox_pred"
444   param {
445     lr_mult: 1
446   }
447   param {
448     lr_mult: 2
449   }
450   inner_product_param {
451     num_output: 84
452   }
453   weight_filler {
454     type: "gaussian"
455     std: 0.001
456   }
457   bias_filler {
458     type: "constant"
459     value: 0
460   }
461 }
462 layer {
463   name: "loss_cls"
464   type: "SoftmaxWithLoss"
465   bottom: "cls_score"
466   bottom: "labels"
467   top: "loss_cls"
468   loss_weight: 1
469 }
470 layer {
471   name: "loss_bbox"
472   type: "SmoothL1Loss"
473   bottom: "bbox_pred"
474   bottom: "bbox_targets"
475   bottom: "bbox_inside_weights"
476   bottom: "bbox_outside_weights"
477   top: "loss_bbox"
478   loss_weight: 1
479 }
480
481 ##### RPN #####
482 # Dummy layers so that initial parameters are saved into the output net
483
484 layer {
485   name: "rpn_conv/3x3"
486   type: "Convolution"
487   bottom: "conv5_3"
488   top: "rpn/output"
489   param { lr_mult: 0 decay_mult: 0 }
```

								div	0	
								exp	0	
3	relu1_1	ReLU	64	0x0	64	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
4	conv1_2	Convolution	64	0x0	64	0x0		mac	NaN	activation NaN
								comp	0	param 36928
								add	0	
								div	0	
								exp	0	
5	relu1_2	ReLU	64	0x0	64	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
6	pool1	Pooling	64	0x0	64	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
7	conv2_1	Convolution	64	0x0	128	0x0		mac	NaN	activation NaN
								comp	0	param 73856
								add	0	
								div	0	
								exp	0	
8	relu2_1	ReLU	128	0x0	128	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
9	conv2_2	Convolution	128	0x0	128	0x0		mac	NaN	activation NaN
								comp	0	param 147584
								add	0	
								div	0	
								exp	0	
10	relu2_2	ReLU	128	0x0	128	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
11	pool2	Pooling	128	0x0	128	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
12	conv3_1	Convolution	128	0x0	256	0x0		mac	NaN	activation NaN
								comp	0	param 295168
								add	0	
								div	0	
								exp	0	
13	relu3_1	ReLU	256	0x0	256	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
14	conv3_2	Convolution	256	0x0	256	0x0		mac	NaN	activation NaN
								comp	0	param 590080
								add	0	
								div	0	
								exp	0	
15	relu3_2	ReLU	256	0x0	256	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
16	conv3_3	Convolution	256	0x0	256	0x0		mac	NaN	activation NaN
								comp	0	param 590080
								add	0	
								div	0	
								exp	0	
ID	name	type	batch	ch_in	dim_in	ch_out	dim_out	mac	0	mem_raw
								comp	0	
								add	0	
								div	0	
								exp	0	
17	relu3_3	ReLU	256	0x0	256	0x0		mac	0	activation NaN
								comp	NaN	param 0
								add	0	
								div	0	
								exp	0	
18	pool3	Pooling	256	0x0	256	0x0		mac	0	activation NaN
								comp	NaN	param 0
								..	-	

```
490 param { lr_mult: 0 decay_mult: 0 }
491 convolution_param {
492   num_output: 512
493   kernel_size: 3 pad: 1 stride: 1
494   weight_filler { type: "gaussian" std: 0.01 }
495   bias_filler { type: "constant" value: 0 }
496 }
497 }
498 layer {
499   name: "rpn_relu/3x3"
500   type: "ReLU"
501   bottom: "rpn/output"
502   top: "rpn/output"
503 }
504 }
505 layer {
506   name: "rpn_cls_score"
507   type: "convolution"
508   bottom: "rpn/output"
509   top: "rpn_cls_score"
510   param { lr_mult: 0 decay_mult: 0 }
511   param { lr_mult: 0 decay_mult: 0 }
512   convolution_param {
513     num_output: 18 # 2(bg/fg) * 9(anchors)
514     kernel_size: 1 pad: 0 stride: 1
515     weight_filler { type: "gaussian" std: 0.01 }
516     bias_filler { type: "constant" value: 0 }
517   }
518 }
519 layer {
520   name: "rpn_bbox_pred"
521   type: "Convolution"
522   bottom: "rpn/output"
523   top: "rpn_bbox_pred"
524   param { lr_mult: 0 decay_mult: 0 }
525   param { lr_mult: 0 decay_mult: 0 }
526   convolution_param {
527     num_output: 36 # 4 * 9(anchors)
528     kernel_size: 1 pad: 0 stride: 1
529     weight_filler { type: "gaussian" std: 0.01 }
530     bias_filler { type: "constant" value: 0 }
531   }
532 }
533 layer {
534   name: "silence_rpn_cls_score"
535   type: "Silence"
536   bottom: "rpn_cls_score"
537 }
538 layer {
539   name: "silence_rpn_bbox_pred"
540   type: "Silence"
541   bottom: "rpn_bbox_pred"
542 }
543 }
```

									add	0	
									div	0	
									exp	0	
19	conv4_1	Convolution	256	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	1180160
								add	0		
								div	0		
								exp	0		
20	relu4_1	ReLU	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
21	conv4_2	Convolution	512	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	2359808
								add	0		
								div	0		
								exp	0		
22	relu4_2	ReLU	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
23	conv4_3	Convolution	512	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	2359808
								add	0		
								div	0		
								exp	0		
24	relu4_3	ReLU	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
25	pool4	Pooling	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
26	conv5_1	Convolution	512	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	2359808
								add	0		
								div	0		
								exp	0		
27	relu5_1	ReLU	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
28	conv5_2	Convolution	512	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	2359808
								add	0		
								div	0		
								exp	0		
29	relu5_2	ReLU	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
30	conv5_3	Convolution	512	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	2359808
								add	0		
								div	0		
								exp	0		
31	relu5_3	ReLU	512	0x0	512	0x0		mac	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
32	rpn_conv/3x3	Convolution	512	0x0	512	0x0		mac	NaN	activation	NaN
								comp	0	param	2359808
ID	name	type	batch	ch_in	dim_in	ch_out	dim_out	ops	mem	raw	
								div	0		
								exp	0		
33	rois	implicit	?	0	0x0	0	0x0	mac	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
34	roi_pool5	ROI Pooling	0	0x0	0	7x7		mac	NaN	activation	NaN
								comp	NaN	param	0

								param		u	
								add			
								div			
								exp	0		
35	labels	implicit	?	0	0x0	0	0x0	macc	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
36	bbox_targets	implicit	?	0	0x0	0	0x0	macc	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
37	bbox_inside_weights	implicit	?	0	0x0	0	0x0	macc	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
38	bbox_outside_weights	implicit	?	0	0x0	0	0x0	macc	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
39	pool5	implicit	?	0	7x7	0	7x7	macc	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
40	fc6	InnerProduct	?	0	7x7	4096	1x1	macc	NaN	activation	NaN
								comp	0	param	4096
								add	0		
								div	0		
								exp	0		
41	relu6	ReLU	?	4096	1x1	4096	1x1	macc	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
42	drop6	Dropout	?	4096	1x1	4096	1x1	macc	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
43	fc7	InnerProduct	?	4096	1x1	4096	1x1	macc	NaN	activation	NaN
								comp	0	param	16781312
								add	0		
								div	0		
								exp	0		
44	relu7	ReLU	?	4096	1x1	4096	1x1	macc	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
45	drop7	Dropout	?	4096	1x1	4096	1x1	macc	0	activation	NaN
								comp	NaN	param	0
								add	0		
								div	0		
								exp	0		
46	bbox_pred	InnerProduct	?	4096	1x1	84	1x1	macc	NaN	activation	NaN
								comp	0	param	344148
								add	0		
								div	0		
								exp	0		
47	loss_bbox	SmoothL1Loss	?	84	1x1	0	0x0	macc	0	activation	0
								comp	0	param	0
								add	0		
								div	0		
								exp	0		
48	cls_score	InnerProduct	?	4096	1x1	21	1x1	macc	NaN	activation	NaN
								comp	0	param	86037
								add	0	mem_crow	
								div	0		
								exp	0		
49	loss_cls	SoftmaxWithLoss	?	21	1x1	21	1x1	macc	0	activation	NaN
								comp	0	param	0
								add	NaN		
								div	NaN		
								exp	NaN		
50	rpn/output	implicit	?	512	0x0	512	0x0	macc	0	activation	0

VGG ILSVRC 16 layers — Netscope CNN Analyzer

									<div><div>comp</div><div>0</div></div>	<div><div>param</div><div>0</div></div>
									<div><div>add</div><div>0</div></div>	
									<div><div>div</div><div>0</div></div>	
									<div><div>exp</div><div>0</div></div>	
51	rpn_relu/3x3	ReLU	?	512	0x0	512	0x0		<div><div>macc</div><div>0</div></div>	<div><div>activation</div><div>NaN</div></div>
									<div><div>comp</div><div>NaN</div></div>	<div><div>param</div><div>0</div></div>
									<div><div>add</div><div>0</div></div>	
									<div><div>div</div><div>0</div></div>	
									<div><div>exp</div><div>0</div></div>	
52	rpn_bbox_pred	Convolution	?	512	0x0	36	0x0		<div><div>macc</div><div>NaN</div></div>	<div><div>activation</div><div>NaN</div></div>
									<div><div>comp</div><div>0</div></div>	<div><div>param</div><div>18468</div></div>
									<div><div>add</div><div>0</div></div>	
									<div><div>div</div><div>0</div></div>	
									<div><div>exp</div><div>0</div></div>	
53	silence_rpn_bbox_pred	Silence	?	36	0x0	0	0x0		<div><div>macc</div><div>0</div></div>	<div><div>activation</div><div>0</div></div>
									<div><div>comp</div><div>0</div></div>	<div><div>param</div><div>0</div></div>
									<div><div>add</div><div>0</div></div>	
									<div><div>div</div><div>0</div></div>	
									<div><div>exp</div><div>0</div></div>	
54	rpn_cls_score	Convolution	?	512	0x0	18	0x0		<div><div>macc</div><div>NaN</div></div>	<div><div>activation</div><div>NaN</div></div>
									<div><div>comp</div><div>0</div></div>	<div><div>param</div><div>9234</div></div>
									<div><div>add</div><div>0</div></div>	
									<div><div>div</div><div>0</div></div>	
									<div><div>exp</div><div>0</div></div>	
55	silence_rpn_cls_score	Silence	?	18	0x0	0	0x0		<div><div>macc</div><div>0</div></div>	<div><div>activation</div><div>0</div></div>
									<div><div>comp</div><div>0</div></div>	<div><div>param</div><div>0</div></div>
									<div><div>add</div><div>0</div></div>	
									<div><div>div</div><div>0</div></div>	
									<div><div>exp</div><div>0</div></div>	

Excel-compatible Analysis Results (experimental)