Repeat	Type	Filters	Size/Stride(default1)	Output	Layer
	[Convolutional]	32	3*3	512*512*32	0
	[Convolutional]	64	3*3/2	256*256*64	1
1	[Convolutional]	32	1*1	256*256*32	2
	[Convolutional]	64	3*3	256*256*64	3
	[Shortcut](Residual)	From= - 3	activation=linear	256*256*64	4
	[Convolutional]	128	3*3/2	128*128*128	5
2	[Convolutional]	64	1*1	128*128*64	6,9
	[Convolutional]	128	3*3	128*128*128	7,10
	[Shortcut](Residual)	From= - 3	activation=linear	128*128*128	8,11
	[Convolutional]	256	3*3/2	64*64*256	12
8	[Convolutional]	128	1*1	64*64*128	13,16,19,22,25,28,31,34
	[Convolutional]	256	3*3	64*64*256	14,17,20,23,26,29,32,35
	[Shortcut](Residual)	From= - 3	activation=linear	64*64*256	15,18,21,24,27,30,33,36
	[Convolutional]	512	3*3/2	32*32*512	37
8	[Convolutional]	256	1*1	32*32*256	38,41,44,47,50,53,56,59
	[Convolutional]	512	3*3	32*32*512	39,42,45,48,51,54,57,60
	[Shortcut](Residual)	From= - 3	activation=linear	32*32*512	40,43,46,49,52,55,58,61
	[Convolutional]	1024	3*3/2	16*16*1024	62
8	[Convolutional]	512	1*1	16*16*512	63,66,69,72
	[Convolutional]	1024	3*3	16*16*1024	64,67,70,73
	[Shortcut](Residual)	From= - 3	activation=linear	16*16*1024	65,68,71,74

Darknet53

	[Convolutional]	512	1*1	16*16*512	75
	[Convolutional]	1024	3*3	16*16*1024	76
	[Convolutional]	512	1*1	16*16*512	77

[MaxPool] size/stride=5*5/1, pad=(size-1)//2=2, out=16*16*512, layer=78

[MaxPool] size/stride=9*9/1, pad=(size-1)//2=4, out=16*16*512, layer=80

[MaxPool] size/stride=13*13/1, pad=(size-1)//2=6, out=16*16*512, layer=82

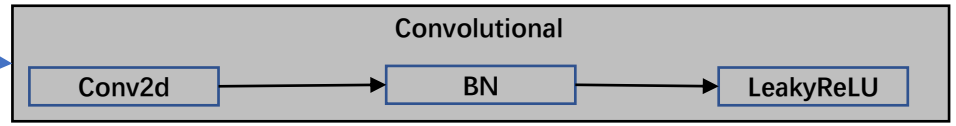
[Route] (Residual) layers=-2, layer=79, 77->80

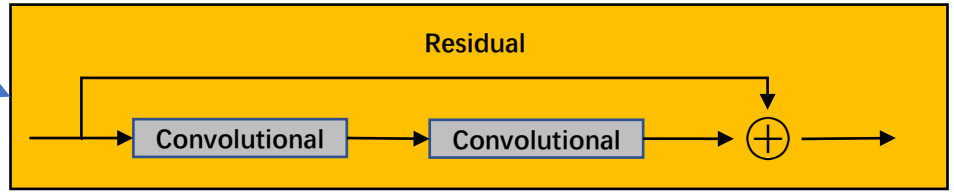
[Route] (Residual) layers=-4, layer=81, 77->82

[Route] (Concatenate) layers=-1,-3,-5,-6, output=16*16*2048, layer=83, 82+80+78+77->84

SPP

	[Convolutional]	512	1*1	16*16*512	84
	[Convolutional]	1024	3*3	16*16*1024	85
	[Convolutional]	512	1*1	16*16*512	86
	[Route] (Residual)	layers=-4		16*16*512	90, 86->91
	[Convolutional]	256	1*1	16*16*256	91
	[Upsample]			32*32*256	92
	[Route] (Concatenate)	layers=-1,61		32*32*768	93, 92+61->94
	[Convolutional Set1]			32*32*256	94,95,96,97,98
	[Route] (Residual)	layers=-4		32*32*256	102, 98->103
	[Convolutional]	128	1*1	32*32*128	103
	[Upsample]			64*64*128	104
	[Route] (Concatenate)	layers=-1,36		64*64*384	105, 104+36->106
	[Convolutional Set2]			64*64*128	106,107,108,109,110





[Convolutional Set1]				
[Convolutional]	256	1*1	32*32*256	94
[Convolutional Set1]	512	3*3	32*32*512	95
[Convolutional Set1]	256	1*1	32*32*256	96
[Convolutional Set1]	512	3*3	32*32*512	97
[Convolutional Set1]	256	1*1	32*32*256	98

[Convolutional Set1]				
[Convolutional]	128	1*1	64*64*128	94
[Convolutional Set1]	256	3*3	64*64*256	95
[Convolutional Set1]	128	1*1	64*64*128	96
[Convolutional Set1]	256	3*3	64*64*256	97
[Convolutional Set1]	128	1*1	64*64*128	98

[Convolutional]	1024	3*3	16*16*1024	87
[Convolutional]	params	1*1	16*16*params	88
[Yolo]				89

[Convolutional]	512	3*3	32*32*512	99
[Convolutional]	params	1*1	32*32*params	100
[Yolo]				101

[Convolutional]	256	3*3	64*64*256	111
[Convolutional]	params	1*1	64*64*params	112
[Yolo]				113

params=(classNum+1+4)*anchorNum