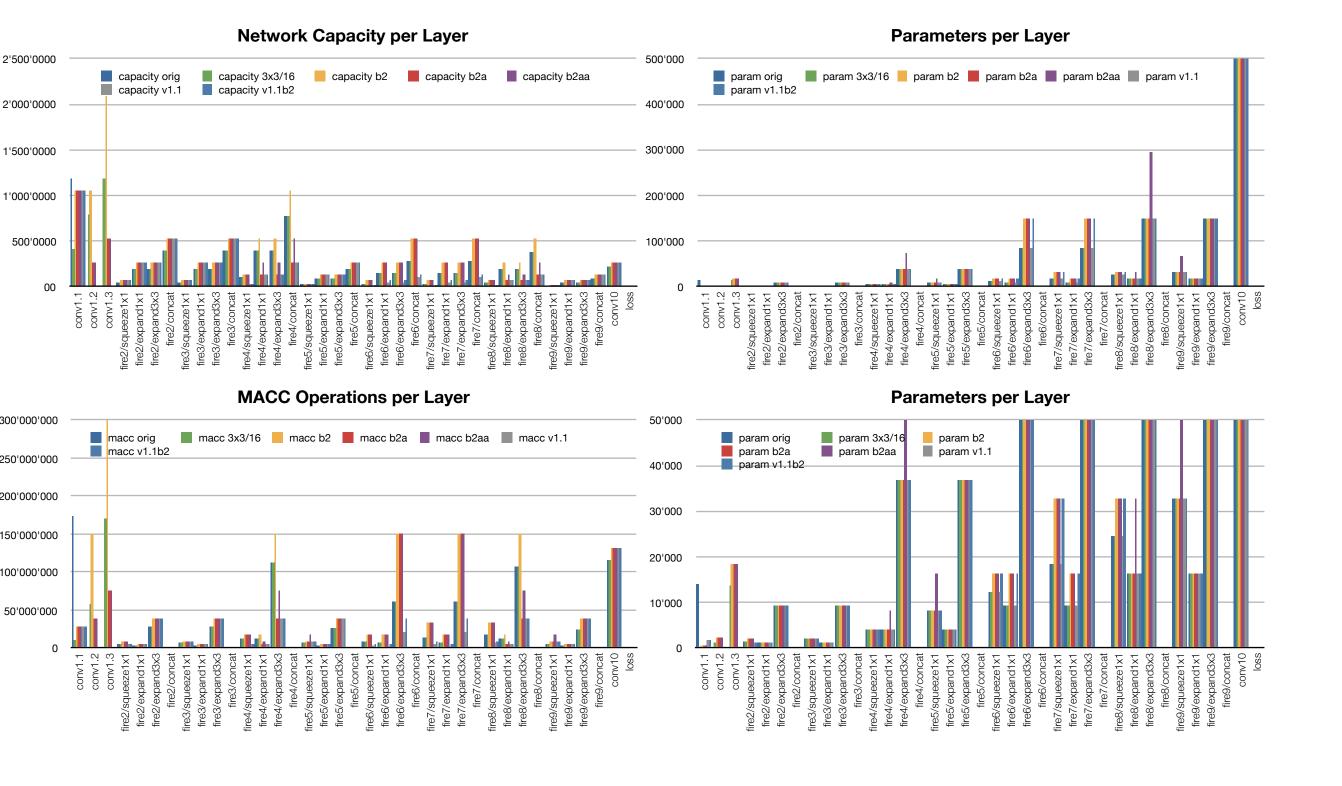
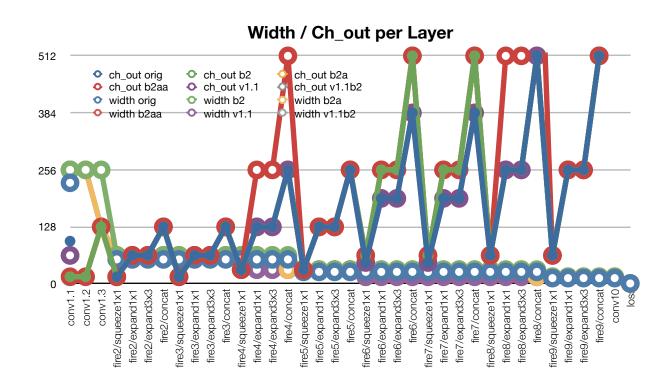
Comparison + Analysis SqueezeNet

layer	capaci	capaci	capaci	capaci	capaci	capac	capaci	macc	macc	macc	macc	macc	macc	macc	param	param	param	param	param	param	param	ch_	ch_	ch_	ch_	ch_	ch_	widt	widt	widt	widt	widt	widt
	ty orig		ty b2	ty b2a	•	ty v1.1	ty	orig	3x3/1	b2	b2a	b2aa	v1.1	v1.1b2	orig	3x3/1	b2	b2a	b2aa	v1.1	v1.1b2	out		out			out	h	h b2	h	h	h	h
		3x3/1			b2aa		v1.1b2		6							6						orig	b2	b2a	b2a		v1.	orig		b2a		v1.1	
	4.05.00	6	4.0F.00	4.0F.00	1.05.00	105.00	105.00		4.5 07	0.05.07	0.05.07	0.05.07	0.05.07	0.05.07	45.04	0.05.00	1.05.00	1.05.0	0 405 0	1 75 00	1 75 00	loo	40	10		1	1b2	 	050	050	а	050	b2
conv1.1	1.2E+06	4.1E+05				1.0E+06	1.UE+U6	1./E+08					2.8E+07	2.8E+07	1.4E+04		_				1./E+03	196	16	16		64	64	227		256	256 256	256	256
conv1.2		8.0E+05									3.8E+07								3 2.3E+0	-			16	-	16					256			
conv1.3		1.2E+06									7.5E+07					-			4 1.8E+0			1	128		128					128	128		
fire2/squeeze1x1		4.8E+04																					16	16	16	16	16	55		64	64	64	64
fire2/expand1x1		1.9E+05																		3 1.0E+03		1	64	64	64	64	64	55		64	64	64	64
fire2/expand3x3		1.9E+05						2.8E+07	2.8E+07	3.8E+07	3.8E+07	3.8E+07	3.8E+07	3.8E+07	9.2E+03	9.2E+03	9.2E+03	9.2E+0	3 9.2E+0	9.2E+03	9.2E+03	1	64	64	64	64	64	55		64	64	64	64
fire2/concat	3.9E+05	3.9E+05	5.2E+05	5.2E+05	5.2E+05	5.2E+0	5.2E+05															128	128	128	128	128	128	55	64	64	64	64	64
fire3/squeeze1x1	4.8E+04	4.8E+04	6.6E+04	6.6E+04	6.6E+04	6.6E+04	6.6E+04	6.2E+06	6.2E+06	8.4E+06	8.4E+06	8.4E+06	8.4E+06	8.4E+06	2.0E+03	2.0E+03	2.0E+03	2.0E+0	3 2.0E+03	3 2.0E+03	2.0E+03	16	16	16	16	16	16	55	64	64	64	64	64
fire3/expand1x1	1.9E+05	1.9E+05	2.6E+05	2.6E+05	2.6E+05	2.6E+05	5 2.6E+05	3.1E+06	3.1E+06	4.2E+06	4.2E+06	4.2E+06	4.2E+06	4.2E+06	1.0E+03	1.0E+03	1.0E+03	1.0E+0	3 1.0E+03	3 1.0E+03	1.0E+03	64	64	64	64	64	64	55	64	64	64	64	64
fire3/expand3x3	1.9E+05	1.9E+05	2.6E+05	2.6E+05	2.6E+05	2.6E+05	2.6E+05	2.8E+07	2.8E+07	3.8E+07	3.8E+07	3.8E+07	3.8E+07	3.8E+07	9.2E+03	9.2E+03	9.2E+03	9.2E+0	3 9.2E+0	9.2E+03	9.2E+03	64	64	64	64	64	64	55	64	64	64	64	64
fire3/concat	3.9E+05	3.9E+05	5.2E+05	5.2E+05	5.2E+05	5.2E+05	5.2E+05															128	128	128	128	128	128	55	64	64	64	64	64
fire4/squeeze1x1	9.7E+04	9.7E+04	1.3E+05	1.3E+05	1.3E+05	3.3E+04	4 3.3E+04	1.2E+07	1.2E+07	1.7E+07	1.7E+07	1.7E+07	4.2E+06	4.2E+06	4.1E+03	4.1E+03	4.1E+03	4.1E+0	3 4.1E+0	3 4.1E+03	4.1E+03	32	32	32	32	32	32	55	64	64	64	32	32
fire4/expand1x1	3.9E+05	3.9E+05	5.2E+05	1.3E+05	2.6E+05	1.3E+05	5 1.3E+05	1.2E+07	1.2E+07	1.7E+07	4.2E+06	8.4E+06	4.2E+06	4.2E+06	4.1E+03	4.1E+03	4.1E+03	4.1E+0	3 8.2E+0	3 4.1E+03	4.1E+03	128	128	128	256	128	128	55	64	64	64	32	32
fire4/expand3x3	3.9E+05	3.9E+05	5.2E+05	1.3E+05	2.6E+05	1.3E+05	1.3E+05	1.1E+08	1.1E+08	1.5E+08	3.8E+07	7.5E+07	3.8E+07	3.8E+07	3.7E+04	3.7E+04	3.7E+04	3.7E+0	4 7.4E+0	4 3.7E+04	3.7E+04	128	128	128	256	128	128	55	64	64	64	32	32
fire4/concat	7.7E+05	7.7E+05	1.0E+06	2.6E+05	5.2E+05	2.6E+05	5 2.6E+05															256	256	256	512	256	256	55	64	32	32	32	32
fire5/squeeze1x1	2.3E+04	2.3E+04	3.3E+04	3.3E+04	3.3E+04	3.3E+04	1 3.3E+04	6.0E+06	6.0E+06	8.4E+06	8.4E+06	1.7E+07	8.4E+06	8.4E+06	8.2E+03	8.2E+03	8.2E+03	8.2E+0	3 1.6E+0	4 8.2E+03	8.2E+03	32	32	32	32	32	32	27	32	32	32	32	32
fire5/expand1x1	9.3E+04	9.3E+04	1.3E+05	1.3E+05	1.3E+05	1.3E+05	5 1.3E+05	3.0E+06	3.0E+06	4.2E+06	4.2E+06	4.2E+06	4.2E+06	4.2E+06	4.1E+03	4.1E+03	4.1E+03	3 4.1E+0	3 4.1E+0	3 4.1E+03	4.1E+03	128	128	128	128	128	128	27	32	32	32	32	32
fire5/expand3x3	9.3E+04	9.3E+04	1.3E+05	1.3E+05	1.3E+05	1.3E+05	1.3E+05	2.7E+07	2.7E+07	3.8E+07	3.8E+07	3.8E+07	3.8E+07	3.8E+07	3.7E+04	3.7E+04	3.7E+04	1 3.7E+0	4 3.7E+0	4 3.7E+04	3.7E+04	128	128	128	128	128	128	27	32	32	32	32	32
fire5/concat	1.9E+05	1.9E+05	2.6E+05	2.6E+05	2.6E+05	2.6E+05	2.6E+05															256	256	256	256	256	256	27	32	32	32	32	32
fire6/squeeze1x1	3.5E+04	3.5E+04	6.6E+04	6.6E+04	6.6E+04	1.2E+04	1.6E+04	9.0E+06	9.0E+06	1.7E+07	1.7E+07	1.7E+07	3.1E+06	4.2E+06	1.2E+04	1.2E+04	1.6E+04	1.6E+0	4 1.6E+0	1.2E+04	1.6E+04	48	64	64	64	48	64	27	32	32	32	16	16
fire6/expand1x1	1.4E+05	1.4E+05	2.6E+05	2.6E+05	2.6E+05	4.9E+04	4 6.6E+04	6.7E+06	6.7E+06	1.7E+07	1.7E+07	1.7E+07	2.4E+06	4.2E+06	9.2E+03	9.2E+03	1.6E+04	1.6E+0	4 1.6E+0	9.2E+03	1.6E+04	192	256	256	256	192	256	27	32	32	32	16	16
fire6/expand3x3	1.4E+05	1.4E+05	2.6E+05	2.6E+05	2.6E+05	4.9E+04	4 6.6E+04	6.0E+07	6.0E+07	1.5E+08	1.5E+08	1.5E+08	2.1E+07	3.8E+07	8.3E+04	8.3E+04	1.5E+05	1.5E+0	5 1.5E+0	5 8.3E+04	1.5E+05	192	256	256	256	192	256	27	32	32	32	16	16
fire6/concat	2.8E+05	2.8E+05	5.2E+05	5.2E+05	5.2E+05	9.8E+04	1.3E+05															384	512	512	512	384	512	27	32	32	32	16	16
fire7/squeeze1x1	3.5E+04	3.5E+04	6.6E+04	6.6E+04	6.6E+04	1.2E+04	1.6E+04	1.3E+07	1.3E+07	3.4E+07	3.4E+07	3.4E+07	4.7E+06	8.4E+06	1.8E+04	1.8E+04	3.3E+04	1 3.3E+0	4 3.3E+0	1 1.8E+04	3.3E+04	48	64	64	64	48	64	27	32	32	32	16	16
fire7/expand1x1	1.4E+05	1.4E+05	2.6E+05	2.6E+05	2.6E+05	4.9E+04	1 6.6E+04	6.7E+06	6.7E+06	1.7E+07	1.7E+07	1.7E+07	2.4E+06	4.2E+06	9.2E+03	9.2E+03	1.6E+04	1.6E+0	4 1.6E+0	9.2E+03	1.6E+04	192	256	256	256	192	256	27	32	32	32	16	16
fire7/expand3x3	1.4E+05	1.4E+05	2.6E+05	2.6E+05	2.6E+05	4.9E+04	4 6.6E+04	6.0E+07	6.0E+07	1.5E+08	1.5E+08	1.5E+08	2.1E+07	3.8E+07	8.3E+04	8.3E+04	1.5E+05	1.5E+0	5 1.5E+0	5 8.3E+04	1.5E+05		256	256	256	192	256	27	32	32	32	16	16
fire7/concat	2.8E+05	2.8E+05	5.2E+05	5.2E+05	5.2E+05	9.8E+04	1.3E+05															384	512	512	512	384	512	27	32	32	32	16	16
fire8/squeeze1x1		4.7E+04						1.8E+07	1.8E+07	3.4E+07	3.4E+07	3.4E+07	6.3E+06	8.4E+06	2.5E+04	2.5E+04	3.3E+04	1 3.3E+0	4 3.3E+0	1 2.5E+04	3.3E+04	64	64	64	64	64	64	27	-	32	32	16	16
fire8/expand1x1	-	1.9E+05							1.2E+07			-					1 1 1	1 1 1	1 1 1	1.6E+04		1	256	256	512	256	256	27	-	32	32	16	16
fire8/expand3x3	- 1	1.9E+05							1.1E+08	-										5 1.5E+05				256	-		256	27	-	32	32	16	16
fire8/concat	110=100	3.7E+05		0.0-0.		0.00		1.12+00	1.12+00	1.02+00	J.ULTU1	7.0LT07	5.0L+01	J.ULTU1	1.02+00	1.02+00	, 1.0LTU	, 1.0L+U	2.96+0	7.0LT00	1.02+00			512	1024		512	27	32	16	16	16	16
fire9/squeeze1x1		1.1E+04						 5 5E±06	5.5F±06	8 4F±06	8.4F±06	1 7F±07	8.4F±06	8 4E±06	3 3E+04	3 3F±0/	3 3F±0/	1 3 3E+0	4 6 6E+0	4 3.3E+04	3 3F±04		64	64	64	64	64	13	16	16	16	16	16
fire9/expand1x1	-	4.3E+04															_	_					-	256	-		256	13	16	16	16	16	16
fire9/expand3x3		4.3E+04					1 1 1		2.5E+07											1.5E+05			256	256		256	256	13		16	16	16	16
								∠.UE+U/ 	∠.∪⊑+∪/	J.OE+U/	3.0⊑+07	3.0E+U/	3.0⊑+07	3.0E+U/	1.00+00	1.5⊑+00	1.0E+U	1.JE+U	J 1.3E+U	1.5⊑+05	1.5⊑+05										1.4		1.0
fire9/concat conv10		8.7E+04 2.3E+05						1 25,00	1 25,00	1 25,00	1 25,00	1 25,00	1 25,00	1 25,00	 5.1E+05	5 1E 105	5 1E 10	5 5 1E / O	5 5 1E : 0	5 5 1E 105	5 1E 105		512 1000				512	13 13	16 16	16 16	16	16 16	16 16
								1.2E+U8 	1.25+08	1.3⊑+08	1.3⊑+08	1.3⊑+08	1.3⊑+08	1.3E+08	J J. 1E+U5	J. IE+05	J.1⊑+U0	J. IE+U	J J. IE+U	J.1⊑+U5	J. IE+05	1 1000	1000	1000	1000	1000	1000	10	10	10	10	10	10
loss	1.0E+03	1.0E+03	1.0⊑+03	1.0⊑+03	1.0⊑+03	1.UE+0	1.0⊑+03								Ĺ							ļ						L	1	I	1	1	1





layer	capacity orig	macc orig	param orig	ch_out orig	width orig
conv1	1182816	173873952	14112	96	227
fire2/	48400	4646400	1536	16	55
squeeze1x1	40400	4040400	1550	10	55
fire2/ expand1x1	193600	3097600	1024	64	55
fire2/	193600	27878400	9216	64	55
expand3x3 fire2/concat	387200	27070100	0210	128	
fire3/		0405000	00.40		
squeeze1x1	48400	6195200	2048	16	55
fire3/ expand1x1	193600	3097600	1024	64	55
fire3/	193600	27878400	9216	64	55
expand3x3 fire3/concat	387200			128	
fire4/	96800	12390400	4096	32	55
squeeze1x1 fire4/	90000	12390400	4090	52	33
expand1x1	387200	12390400	4096	128	55
fire4/	387200	111513600	36864	128	55
expand3x3 fire4/concat	774400			256	55
fire5/	23328	5971968	8192	32	27
squeeze1x1 fire5/	20020	007 1000	0.102	02	
expand1x1	93312	2985984	4096	128	27
fire5/	93312	26873856	36864	128	27
expand3x3 fire5/concat	186624			256	27
fire6/	34992	8957952	12288	48	27
squeeze1x1 fire6/					
expand1x1	139968	6718464	9216	192	27
fire6/ expand3x3	139968	60466176	82944	192	27
fire6/concat	279936			384	27
fire7/ squeeze1x1	34992	13436928	18432	48	27
fire7/	139968	6718464	9216	192	27
expand1x1 fire7/	100000	0110404	3210	102	
expand3x3	139968	60466176	82944	192	27
fire7/concat	279936			384	27
fire8/ squeeze1x1	46656	17915904	24576	64	27
fire8/ expand1x1	186624	11943936	16384	256	27
fire8/	196624	107405494	147456	256	27
expand3x3	186624	107495424	147456	256	
fire8/concat fire9/	373248	5507700	00700	512	27
squeeze1x1	10816	5537792	32768	64	13
fire9/ expand1x1	43264	2768896	16384	256	13
fire9/ expand3x3	43264	24920064	147456	256	13
fire9/concat	86528			512	13
conv10	225000	115200000	512000	1000	13
loss	1000				1

layer	capacity 3x3/16	macc 3x3/16	param 3x3/16	ch_out 3x3/16	width 3x3/16
conv1.1	405000	10935000	216	8	227
conv1.2	795664	57287808	1152	16	225
conv1.3	1182816	170325504	13824	96	223
fire2/ squeeze1x1	48400	4646400	1536	16	55
fire2/ expand1x1	193600	3097600	1024	64	55
fire2/ expand3x3	193600	27878400	9216	64	55
fire2/concat	387200			128	55
fire3/ squeeze1x1 fire3/	48400	6195200	2048	16	55
expand1x1 fire3/	193600	3097600	1024	64	55
expand3x3	193600	27878400	9216	64	55
fire3/concat	387200			128	55
fire4/ squeeze1x1 fire4/	96800	12390400	4096	32	55
expand1x1	387200	12390400	4096	128	55
expand3x3	387200	111513600	36864	128	55
fire4/concat	774400			256	55
fire5/ squeeze1x1	23328	5971968	8192	32	27
fire5/ expand1x1	93312	2985984	4096	128	27
fire5/ expand3x3	93312	26873856	36864	128	27
fire5/concat	186624			256	27
fire6/ squeeze1x1	34992	8957952	12288	48	27
fire6/ expand1x1	139968	6718464	9216	192	27
fire6/	139968	60466176	82944	192	27
expand3x3 fire6/concat	279936			384	27
fire7/ squeeze1x1	34992	13436928	18432	48	27
fire7/ expand1x1	139968	6718464	9216	192	27
fire7/ expand3x3	139968	60466176	82944	192	27
fire7/concat	279936			384	27
fire8/ squeeze1x1	46656	17915904	24576	64	27
fire8/ expand1x1	186624	11943936	16384	256	27
fire8/ expand3x3	186624	107495424	147456	256	
fire8/concat	373248			512	27
fire9/ squeeze1x1	10816	5537792	32768	64	13
fire9/ expand1x1	43264	2768896	16384	256	13
fire9/ expand3x3	43264	24920064	147456	256	13
fire9/concat	86528	,, , , , , , , , , , , , , , , , , , ,		512	
conv10 loss	225000 1000	115200000	512000	1000	13

layer	capacity b2	macc b2	param b2	ch_out b2	width b2
conv1.1	1048576	28311552	432	16	256
conv1.2	1048576	150994944	2304	16	256
conv1.3	2097152	301989888	18432	128	256
fire2/	05500	0000000	0040	10	C4
squeeze1x1	65536	8388608	2048	16	64
fire2/	262144	4104204	1024	64	64
expand1x1	202144	4194304	1024	04	04
fire2/	262144	37748736	9216	64	64
expand3x3	202144	37740730	9210	04	04
fire2/concat	524288			128	64
fire3/ squeeze1x1	65536	8388608	2048	16	64
fire3/ expand1x1	262144	4194304	1024	64	64
fire3/ expand3x3	262144	37748736	9216	64	64
fire3/concat	524288			128	64
fire4/ squeeze1x1	131072	16777216	4096	32	64
fire4/ expand1x1	524288	16777216	4096	128	64
fire4/ expand3x3	524288	150994944	36864	128	
fire4/concat	1048576			256	64
fire5/ squeeze1x1	32768	8388608	8192	32	32
fire5/ expand1x1	131072	4194304	4096	128	32
fire5/ expand3x3	131072	37748736	36864	128	
fire5/concat	262144			256	32
fire6/ squeeze1x1	65536	16777216	16384	64	32
fire6/ expand1x1	262144	16777216	16384	256	32
fire6/	262144	150994944	147456	256	32
expand3x3 fire6/concat	524288			512	32
fire7/	324200			312	32
squeeze1x1 fire7/	65536	33554432	32768	64	32
expand1x1 fire7/	262144	16777216	16384	256	32
expand3x3	262144	150994944	147456	256	32
fire7/concat	524288			512	32
fire8/ squeeze1x1	65536	33554432	32768	64	32
fire8/ expand1x1	262144	16777216	16384	256	32
fire8/ expand3x3	262144	150994944	147456	256	32
fire8/concat	524288			512	32
fire9/ squeeze1x1	16384	8388608	32768	64	16
fire9/ expand1x1	65536	4194304	16384	256	16
fire9/	GEEOG	97749796	1 1715	OEG	16
expand3x3	65536	37748736	147456	256	16
fire9/concat	131072			512	16
conv10	256000	131072000	512000	1000	16
loss	1000				1

layer	capacity b2a	macc b2a	param b2a	ch_out b2a	width b2a
conv1.1	1048576	28311552	432	 16	256
conv1.2	262144	37748736	2304	16	256
conv1.3	524288	75497472	18432	128	128
fire2/	65526	0200600	2049	16	64
squeeze1x1	65536	8388608	2048	16	64
fire2/	262144	4194304	1024	64	64
expand1x1	202144	+10404	1027	04	04
fire2/	262144	37748736	9216	64	64
expand3x3	_		0 0		
fire2/concat	524288			128	64
fire3/ squeeze1x1	65536	8388608	2048	16	64
fire3/ expand1x1	262144	4194304	1024	64	64
fire3/ expand3x3	262144	37748736	9216	64	64
fire3/concat	524288			128	64
fire4/ squeeze1x1	131072	16777216	4096	32	64
fire4/ expand1x1	131072	4194304	4096	128	64
fire4/ expand3x3	131072	37748736	36864	128	64
fire4/concat	262144			256	32
fire5/	32768	8388608	8192	32	32
squeeze1x1	02700		0102	02	OL.
fire5/ expand1x1	131072	4194304	4096	128	32
fire5/ expand3x3	131072	37748736	36864	128	32
fire5/concat	262144			256	32
fire6/ squeeze1x1	65536	16777216	16384	64	32
fire6/ expand1x1	262144	16777216	16384	256	32
fire6/	262144	150994944	147456	256	32
expand3x3	504000				
fire6/concat	524288			512	32
fire7/ squeeze1x1	65536	33554432	32768	64	32
fire7/ expand1x1	262144	16777216	16384	256	32
fire7/ expand3x3	262144	150994944	147456	256	32
fire7/concat	524288			512	32
fire8/	65536	33554432	32768	64	32
squeeze1x1					
fire8/ expand1x1	65536	4194304	16384	256	32
fire8/ expand3x3	65536	37748736	147456	256	32
fire8/concat	131072			512	16
fire9/	16384	8388608	32768	64	16
squeeze1x1 fire9/	65536	4194304	16384	256	16
expand1x1 fire9/					
expand3x3	65536	37748736	147456	256	16
fire9/concat	131072			512	16
conv10	256000	131072000	512000	1000	16
loss	1000			1000	1

layer	capacity b2aa	macc b2aa	param b2aa	ch_out b2aa	width b2aa
conv1.1	1048576	28311552	432	16	256
conv1.2	262144	37748736	2304	16	256
conv1.3	524288	75497472	18432	128	128
fire2/	65536	8388608	2048	16	64
squeeze1x1	03330	0300000	2040	10	04
fire2/ expand1x1	262144	4194304	1024	64	64
fire2/	262144	37748736	9216	64	64
expand3x3		077 10700	0210		
fire2/concat	524288			128	64
fire3/ squeeze1x1	65536	8388608	2048	16	64
fire3/ expand1x1	262144	4194304	1024	64	64
fire3/ expand3x3	262144	37748736	9216	64	64
fire3/concat	524288			128	64
fire4/	J24200			120	04
squeeze1x1	131072	16777216	4096	32	64
expand1x1	262144	8388608	8192	256	64
fire4/ expand3x3	262144	75497472	73728	256	64
fire4/concat	524288			512	32
fire5/					
squeeze1x1 fire5/	32768	16777216	16384	32	
expand1x1	131072	4194304	4096	128	32
fire5/ expand3x3	131072	37748736	36864	128	32
fire5/concat	262144			256	32
fire6/	65536	16777216	16384	64	32
squeeze1x1 fire6/	262144	16777216	16384	256	
expand1x1	202144	10///210	10364	230	32
fire6/ expand3x3	262144	150994944	147456	256	
fire6/concat	524288			512	32
fire7/ squeeze1x1	65536	33554432	32768	64	32
fire7/ expand1x1	262144	16777216	16384	256	32
fire7/	262144	150994944	147456	256	32
expand3x3 fire7/concat	524288			512	32
fire8/	65536	33554432	32768	64	
fire8/	131072	8388608	32768	512	32
expand1x1 fire8/	131072	75497472	294912	512	32
expand3x3		13481412	294912		
fire8/concat	262144			1024	16
fire9/ squeeze1x1	16384	16777216	65536	64	16
fire9/ expand1x1	65536	4194304	16384	256	16
fire9/ expand3x3	65536	37748736	147456	256	16
fire9/concat	131072			512	16
conv10	256000	131072000	512000	1000	
loss	1000			1000	

layer	capacity v1.1	macc v1.1	param v1.1	ch_out v1.1	width v1.1
conv1	1048576	28311552	1728	64	256
fire2/	65536	4194304	1024	16	64
squeeze1x1	00000		1021		
fire2/ expand1x1	262144	4194304	1024	64	64
fire2/ expand3x3	262144	37748736	9216	64	64
fire2/concat	524288			128	64
fire3/ squeeze1x1	65536	8388608	2048	16	64
fire3/ expand1x1	262144	4194304	1024	64	64
fire3/ expand3x3	262144	37748736	9216	64	64
fire3/concat	524288			128	64
fire4/ squeeze1x1	32768	4194304	4096	32	32
fire4/ expand1x1	131072	4194304	4096	128	32
fire4/ expand3x3	131072	37748736	36864	128	32
fire4/concat	262144			256	32
fire5/ squeeze1x1	32768	8388608	8192	32	32
fire5/ expand1x1	131072	4194304	4096	128	32
fire5/ expand3x3	131072	37748736	36864	128	32
fire5/concat	262144			256	32
fire6/ squeeze1x1	12288	3145728	12288	48	16
fire6/ expand1x1	49152	2359296	9216	192	16
fire6/ expand3x3	49152	21233664	82944	192	16
fire6/concat	98304			384	16
fire7/ squeeze1x1	12288	4718592	18432	48	
fire7/ expand1x1	49152	2359296	9216	192	16
fire7/ expand3x3	49152	21233664	82944	192	16
fire7/concat	98304			384	16
fire8/ squeeze1x1	16384	6291456	24576	64	16
fire8/ expand1x1	65536	4194304	16384	256	16
fire8/ expand3x3	65536	37748736	147456	256	16
fire8/concat	131072			512	16
fire9/ squeeze1x1	16384	8388608	32768	64	16
fire9/ expand1x1	65536	4194304	16384	256	16
fire9/ expand3x3	65536	37748736	147456	256	16
fire9/concat	131072			512	16
conv10	256000	131072000	512000	1000	16
loss	1000			1000	1

layer	capacity v1.1b2	macc v1.1b2	param v1.1b2	ch_out v1.1b2	width v1.1b2
conv1	1048576	28311552	1728	64	256
fire2/ squeeze1x1	65536	4194304	1024	16	64
fire2/ expand1x1	262144	4194304	1024	64	64
fire2/ expand3x3	262144	37748736	9216	64	64
fire2/concat	524288			128	64
fire3/ squeeze1x1	65536	8388608	2048	16	64
fire3/ expand1x1	262144	4194304	1024	64	64
fire3/ expand3x3	262144	37748736	9216	64	64
fire3/concat	524288			128	64
fire4/ squeeze1x1	32768	4194304	4096	32	32
fire4/ expand1x1	131072	4194304	4096	128	32
fire4/ expand3x3	131072	37748736	36864	128	32
fire4/concat	262144			256	32
fire5/ squeeze1x1	32768	8388608	8192	32	32
fire5/ expand1x1	131072	4194304	4096	128	32
fire5/ expand3x3	131072	37748736	36864	128	32
fire5/concat	262144			256	32
fire6/ squeeze1x1	16384	4194304	16384	64	16
fire6/ expand1x1	65536	4194304	16384	256	16
fire6/ expand3x3	65536	37748736	147456	256	16
fire6/concat	131072			512	16
fire7/ squeeze1x1	16384	8388608	32768	64	16
fire7/ expand1x1	65536	4194304	16384	256	16
fire7/ expand3x3	65536	37748736	147456	256	16
fire7/concat	131072			512	16
fire8/ squeeze1x1	16384	8388608	32768	64	16
fire8/ expand1x1	65536	4194304	16384	256	16
fire8/ expand3x3	65536	37748736	147456	256	16
fire8/concat	131072			512	16
fire9/ squeeze1x1	16384	8388608	32768	64	16
fire9/ expand1x1	65536	4194304	16384	256	16
fire9/ expand3x3	65536	37748736	147456	256	16
fire9/concat	131072			512	16
conv10	256000		512000	1000	
loss	1000			1000	1