Description: ResNet101 is deployed on Win8 64-bit operating system with an i7-7500U 2.90 GHz Intel (R) Core (TM) processor and 16GB RAM

Layer	Layer number	Layer execution time(s)	Size of output data(Mb)	Number of direct successor layers
conv1	1	0.00356	6.125	2
pool1	2	0.00338	1.531	3
res2a_branch1	3	0.00335	6.125	7
res2a_branch2a	4	0.00332	1.531	5
res2a_branch2b	5	0.00292	1.531	6
res2a_branch2c	6	0.00460	6.125	7
res2b_branch1	7	0.00501	6.125	11
res2b_branch2a	8	0.00237	1.531	9
res2b_branch2b	9	0.00303	1.531	10
res2b_branch2c	10	0.00462	6.125	11
res2c_branch1	11	0.00536	6.125	15
res2c_branch2a	12	0.00233	1.531	13
res2c_branch2b	13	0.00298	1.531	14
res2c_branch2c	14	0.00468	6.125	15
res3a_branch1	15	0.00312	3.063	19
res3a_branch2a	16	0.00238	0.766	17
res3a_branch2b	17	0.00216	0.766	18
res3a_branch2c	18	0.00347	3.063	19
res3b_branch1	19	0.00383	3.063	23
res3b_branch2a	20	0.00133	0.766	21
res3b_branch2b	21	0.00222	0.766	22
res3b_branch2c	22	0.00322	3.063	23
res3c_branch1	23	0.00544	3.063	27
res3c_branch2a	24	0.00212	0.766	25
res3c_branch2b	25	0.00211	0.766	26
res3c_branch2c	26	0.00336	3.063	27
res3d_branch1	27	0.00372	3.063	31
res3d_branch2a	28	0.00223	0.766	29
res3d_branch2b	29	0.00227	0.766	30
res3d_branch2c	30	0.00326	3.063	31
res4a_branch1	31	0.00237	1.531	35
res4a_branch2a	32	0.00230	0.383	33
res4a_branch2b	33	0.00235	0.383	34
res4a_branch2c	34	0.00292	1.531	35
res4b_branch1	35	0.00353	1.531	39
res4b_branch2a	36	0.00135	0.383	37
res4b_branch2b	37	0.00288	0.383	38
res4b_branch2c	38	0.00313	1.531	39
res4c_branch1	39	0.00322	1.531	43
res4c_branch2a	40	0.00133	0.383	41
res4c_branch2b	41	0.00266	0.383	42
res4c_branch2c	42	0.00331	1.531	43
res4d_branch1	43	0.00365	1.531	47
res4d_branch2a	44	0.00138	0.383	45

res4d_branch2b	45	0.00264	0.383	46
res4d_branch2c	46	0.00324	1.531	47
res4e_branch1	47	0.00374	1.531	51
res4e_branch2a	48	0.00191	0.383	49
res4e_branch2b	49	0.00244	0.383	50
res4e_branch2c	50	0.00311	1.531	51
res4f_branch1	51	0.00357	1.531	55
res4f_branch2a	52	0.00130	0.383	53
res4f_branch2b	53	0.00250	0.383	54
res4f_branch2c	54	0.00300	1.531	55
res4g_branch1	55	0.00345	1.531	59
res4g_branch2a	56	0.00146	0.383	57
res4g_branch2b	57	0.00275	0.383	58
res4g_branch2c	58	0.00329	1.531	59
res4h_branch1	59	0.00390	1.531	63
res4h_branch2a	60	0.00131	0.383	61
res4h_branch2b	61	0.00252	0.383	62
res4h_branch2c	62	0.00323	1.531	63
res4i_branch1	63	0.00349	1.531	67
res4i_branch2a	64	0.00130	0.383	65
res4i_branch2b	65	0.00254	0.383	66
res4i_branch2c	66	0.00302	1.531	67
res4j_branch1	67	0.00358	1.531	71
res4j_branch2a	68	0.00201	0.383	69
res4j_branch2b	69	0.00251	0.383	70
res4j_branch2c	70	0.00324	1.531	71
res4k_branch1	71	0.00356	1.531	75
res4k_branch2a	72	0.00130	0.383	73
res4k_branch2b	73	0.00252	0.383	74
res4k_branch2c	74	0.00322	1.531	75
res4l_branch1	75	0.00355	1.531	79
res4l_branch2a	76	0.00147	0.383	77
res4l_branch2b	77	0.00279	0.383	78
res4l_branch2c	78	0.00326	1.531	79
res4m_branch1	79	0.00377	1.531	83
res4m_branch2a	80	0.00132	0.383	81
res4m_branch2b	81	0.00252	0.383	82
res4m_branch2c	82	0.00340	1.531	83
res4n_branch1	83	0.00363	1.531	87
res4n_branch2a	84	0.00134	0.383	84
res4n_branch2b	85	0.00273	0.383	86
res4n_branch2c	86	0.00312	1.531	87
res4o_branch1	87	0.00367	1.531	91
res4o_branch2a	88	0.00194	0.383	89
res4o_branch2b	89	0.00255	0.383	90
res4o_branch2c	90	0.00341	1.531	91
res4p_branch1	91	0.00365	1.531	95
res4p_branch2a	92	0.00132	0.383	93

res4p_branch2b	93	0.00254	0.383	94
res4p_branch2c	94	0.00311	1.531	95
res4q_branch1	95	0.00368	1.531	99
res4q_branch2a	96	0.00152	0.383	97
res4q_branch2b	97	0.00295	0.383	8
res4q_branch2c	98	0.00322	1.531	99
res4r_branch1	99	0.00357	1.531	103
res4r_branch2a	100	0.00132	0.383	101
res4rbranch2b	101	0.00229	0.383	102
res4r_branch2c	102	0.00315	1.531	103
res4s_branch1	103	0.00372	1.531	107
res4s_branch2a	104	0.00139	0.383	150
res4s_branch2b	105	0.00240	0.383	106
res4s_branch2c	106	0.00297	1.531	107
res4t_branch1	107	0.00363	1.531	111
res4t_branch2a	108	0.00197	0.383	109
res4t_branch2b	109	0.00263	0.383	110
res4t_branch2c	110	0.00313	1.531	111
res4u_branch1	111	0.00364	1.531	115
res4u_branch2a	112	0.00135	0.383	113
res4u_branch2b	113	0.00242	0.383	114
res4u_branch2c	114	0.00300	1.531	115
res4v_branch1	115	0.00363	1.531	119
res4v_branch2a	116	0.00151	0.383	117
res4v_branch2b	117	0.00259	0.383	118
res4v_branch2c	118	0.00332	1.531	119
res4w_branch1	119	0.00361	1.531	123
res4w_branch2a	120	0.00136	0.383	121
res4w_branch2b	121	0.00245	0.383	122
res4w_branch2c	122	0.00326	1.531	123
res5a_branch1	123	0.00287	0.766	127
res5a_branch2a	124	0.00258	0.191	125
res5a_branch2b	125	0.00349	0.191	126
res5a_branch2c	126	0.00299	0.766	127
res5b_branch1	127	0.00383	0.766	131
res5b_branch2a	128	0.00183	0.191	129
res5b_branch2b	129	0.00378	0.191	130
res5b_branch2c	130	0.00330	0.766	131
res5c_branch1	131	0.00374	0.766	135
res5c_branch2a	132	0.00175	0.191	133
res5c_branch2b	133	0.00406	0.191	134
res5c_branch2c	134	0.00298	0.766	135
pool2	135	0.00088	0.016	136
fc	136	0.00268	0.008	-