

Error Encountered

CONCAT: input dimensions don't agree

VGG VOC0712 SSD 300x300 t



```
527 param {
528   kernel_size: 1
529   stride: 1
530 }
531 param {
532   kernel_size: 2
533   stride: 1
534 }
535 convolution_param {
536   num_output: 32
537   kernel_size: 3
538   weight_filler {
539     type: "xavier"
540   }
541   bias_filler {
542     type: "constant"
543     value: 0
544   }
545 }
546 layer {
547   type: "relu"
548   name: "relu_1"
549   bottom: "conv1_1"
550   top: "conv1_1"
551 }
552 layer {
553   type: "pool"
554   name: "pool_1"
555   bottom: "conv1_1"
556   top: "conv1_2"
557   stride: 2
558   kernel_size: 2
559   pool_mode: "max"
560 }
561 convolution_param {
562   num_output: 64
563   kernel_size: 3
564   weight_filler {
565     type: "xavier"
566   }
567   bias_filler {
568     type: "constant"
569     value: 0
570   }
571 }
572 layer {
573   type: "relu"
574   name: "relu_2"
575   bottom: "conv1_2"
576   top: "conv1_2"
577 }
578 layer {
579   type: "pool"
580   name: "pool_2"
581   bottom: "conv1_2"
582   top: "conv1_3"
583   stride: 2
584   kernel_size: 2
585   pool_mode: "max"
586 }
587 convolution_param {
588   num_output: 128
589   kernel_size: 3
590   weight_filler {
591     type: "xavier"
592   }
593   bias_filler {
594     type: "constant"
595     value: 0
596   }
597 }
598 layer {
599   type: "relu"
600   name: "relu_3"
601   bottom: "conv1_3"
602   top: "conv1_3"
603 }
604 layer {
605   type: "pool"
606   name: "pool_3"
607   bottom: "conv1_3"
608   top: "conv1_4"
609   stride: 2
610   kernel_size: 2
611   pool_mode: "max"
612 }
613 convolution_param {
614   num_output: 256
615   kernel_size: 3
616   weight_filler {
617     type: "xavier"
618   }
619   bias_filler {
620     type: "constant"
621     value: 0
622   }
623 }
624 layer {
625   type: "relu"
626   name: "relu_4"
627   bottom: "conv1_4"
628   top: "conv1_4"
629 }
630 layer {
631   type: "pool"
632   name: "pool_4"
633   bottom: "conv1_4"
634   top: "conv1_5"
635   stride: 2
636   kernel_size: 2
637   pool_mode: "max"
638 }
639 convolution_param {
640   num_output: 512
641   kernel_size: 3
642   weight_filler {
643     type: "xavier"
644   }
645   bias_filler {
646     type: "constant"
647     value: 0
648   }
649 }
650 layer {
651   type: "relu"
652   name: "relu_5"
653   bottom: "conv1_5"
654   top: "conv1_5"
655 }
656 layer {
657   type: "pool"
658   name: "pool_5"
659   bottom: "conv1_5"
660   top: "conv1_6"
661   stride: 2
662   kernel_size: 2
663   pool_mode: "max"
664 }
665 convolution_param {
666   num_output: 1024
667   kernel_size: 3
668   weight_filler {
669     type: "xavier"
670   }
671   bias_filler {
672     type: "constant"
673     value: 0
674   }
675 }
676 layer {
677   type: "relu"
678   name: "relu_6"
679   bottom: "conv1_6"
680   top: "conv1_6"
681 }
682 layer {
683   type: "pool"
684   name: "pool_6"
685   bottom: "conv1_6"
686   top: "conv1_7"
687   stride: 2
688   kernel_size: 2
689   pool_mode: "max"
690 }
691 convolution_param {
692   num_output: 1024
693   kernel_size: 3
694   weight_filler {
695     type: "xavier"
696   }
697   bias_filler {
698     type: "constant"
699     value: 0
700   }
701 }
702 layer {
703   type: "relu"
704   name: "relu_7"
705   bottom: "conv1_7"
706   top: "conv1_7"
707 }
708 layer {
709   type: "pool"
710   name: "pool_7"
711   bottom: "conv1_7"
712   top: "conv1_8"
713   stride: 2
714   kernel_size: 2
715   pool_mode: "max"
716 }
717 convolution_param {
718   num_output: 1024
719   kernel_size: 3
720   weight_filler {
721     type: "xavier"
722   }
723   bias_filler {
724     type: "constant"
725     value: 0
726   }
727 }
728 layer {
729   type: "relu"
730   name: "relu_8"
731   bottom: "conv1_8"
732   top: "conv1_8"
733 }
734 layer {
735   type: "pool"
736   name: "pool_8"
737   bottom: "conv1_8"
738   top: "conv1_9"
739   stride: 2
740   kernel_size: 2
741   pool_mode: "max"
742 }
743 convolution_param {
744   num_output: 1024
745   kernel_size: 3
746   weight_filler {
747     type: "xavier"
748   }
749   bias_filler {
750     type: "constant"
751     value: 0
752   }
753 }
754 layer {
755   type: "relu"
756   name: "relu_9"
757   bottom: "conv1_9"
758   top: "conv1_9"
759 }
760 layer {
761   type: "pool"
762   name: "pool_9"
763   bottom: "conv1_9"
764   top: "conv1_10"
765   stride: 2
766   kernel_size: 2
767   pool_mode: "max"
768 }
769 convolution_param {
770   num_output: 1024
771   kernel_size: 3
772   weight_filler {
773     type: "xavier"
774   }
775   bias_filler {
776     type: "constant"
777     value: 0
778   }
779 }
780 layer {
781   type: "relu"
782   name: "relu_10"
783   bottom: "conv1_10"
784   top: "conv1_10"
785 }
786 layer {
787   type: "pool"
788   name: "pool_10"
789   bottom: "conv1_10"
790   top: "conv1_11"
791   stride: 2
792   kernel_size: 2
793   pool_mode: "max"
794 }
795 convolution_param {
796   num_output: 1024
797   kernel_size: 3
798   weight_filler {
799     type: "xavier"
800   }
801   bias_filler {
802     type: "constant"
803     value: 0
804   }
805 }
806 layer {
807   type: "relu"
808   name: "relu_11"
809   bottom: "conv1_11"
810   top: "conv1_11"
811 }
812 layer {
813   type: "pool"
814   name: "pool_11"
815   bottom: "conv1_11"
816   top: "conv1_12"
817   stride: 2
818   kernel_size: 2
819   pool_mode: "max"
820 }
821 convolution_param {
822   num_output: 1024
823   kernel_size: 3
824   weight_filler {
825     type: "xavier"
826   }
827   bias_filler {
828     type: "constant"
829     value: 0
830   }
831 }
832 layer {
833   type: "relu"
834   name: "relu_12"
835   bottom: "conv1_12"
836   top: "conv1_12"
837 }
838 layer {
839   type: "pool"
840   name: "pool_12"
841   bottom: "conv1_12"
842   top: "conv1_13"
843   stride: 2
844   kernel_size: 2
845   pool_mode: "max"
846 }
847 convolution_param {
848   num_output: 1024
849   kernel_size: 3
850   weight_filler {
851     type: "xavier"
852   }
853   bias_filler {
854     type: "constant"
855     value: 0
856   }
857 }
858 layer {
859   type: "relu"
860   name: "relu_13"
861   bottom: "conv1_13"
862   top: "conv1_13"
863 }
864 layer {
865   type: "pool"
866   name: "pool_13"
867   bottom: "conv1_13"
868   top: "conv1_14"
869   stride: 2
870   kernel_size: 2
871   pool_mode: "max"
872 }
873 convolution_param {
874   num_output: 1024
875   kernel_size: 3
876   weight_filler {
877     type: "xavier"
878   }
879   bias_filler {
880     type: "constant"
881     value: 0
882   }
883 }
884 layer {
885   type: "relu"
886   name: "relu_14"
887   bottom: "conv1_14"
888   top: "conv1_14"
889 }
890 layer {
891   type: "pool"
892   name: "pool_14"
893   bottom: "conv1_14"
894   top: "conv1_15"
895   stride: 2
896   kernel_size: 2
897   pool_mode: "max"
898 }
899 convolution_param {
900   num_output: 1024
901   kernel_size: 3
902   weight_filler {
903     type: "xavier"
904   }
905   bias_filler {
906     type: "constant"
907     value: 0
908   }
909 }
910 layer {
911   type: "relu"
912   name: "relu_15"
913   bottom: "conv1_15"
914   top: "conv1_15"
915 }
916 layer {
917   type: "pool"
918   name: "pool_15"
919   bottom: "conv1_15"
920   top: "conv1_16"
921   stride: 2
922   kernel_size: 2
923   pool_mode: "max"
924 }
925 convolution_param {
926   num_output: 1024
927   kernel_size: 3
928   weight_filler {
929     type: "xavier"
930   }
931   bias_filler {
932     type: "constant"
933     value: 0
934   }
935 }
936 layer {
937   type: "relu"
938   name: "relu_16"
939   bottom: "conv1_16"
940   top: "conv1_16"
941 }
942 layer {
943   type: "pool"
944   name: "pool_16"
945   bottom: "conv1_16"
946   top: "conv1_17"
947   stride: 2
948   kernel_size: 2
949   pool_mode: "max"
950 }
951 convolution_param {
952   num_output: 1024
953   kernel_size: 3
954   weight_filler {
955     type: "xavier"
956   }
957   bias_filler {
958     type: "constant"
959     value: 0
960   }
961 }
962 layer {
963   type: "relu"
964   name: "relu_17"
965   bottom: "conv1_17"
966   top: "conv1_17"
967 }
968 layer {
969   type: "pool"
970   name: "pool_17"
971   bottom: "conv1_17"
972   top: "conv1_18"
973   stride: 2
974   kernel_size: 2
975   pool_mode: "max"
976 }
977 convolution_param {
978   num_output: 1024
979   kernel_size: 3
980   weight_filler {
981     type: "xavier"
982   }
983   bias_filler {
984     type: "constant"
985     value: 0
986   }
987 }
988 layer {
989   type: "relu"
990   name: "relu_18"
991   bottom: "conv1_18"
992   top: "conv1_18"
993 }
994 layer {
995   type: "pool"
996   name: "pool_18"
997   bottom: "conv1_18"
998   top: "conv1_19"
999   stride: 2
1000   kernel_size: 2
1001   pool_mode: "max"
1002 }
1003 convolution_param {
1004   num_output: 1024
1005   kernel_size: 3
1006   weight_filler {
1007     type: "xavier"
1008   }
1009   bias_filler {
1010     type: "constant"
1011     value: 0
1012   }
1013 }
1014 layer {
1015   type: "relu"
1016   name: "relu_19"
1017   bottom: "conv1_19"
1018   top: "conv1_19"
1019 }
1020 layer {
1021   type: "pool"
1022   name: "pool_19"
1023   bottom: "conv1_19"
1024   top: "conv1_20"
1025   stride: 2
1026   kernel_size: 2
1027   pool_mode: "max"
1028 }
1029 convolution_param {
1030   num_output: 1024
1031   kernel_size: 3
1032   weight_filler {
1033     type: "xavier"
1034   }
1035   bias_filler {
1036     type: "constant"
1037     value: 0
1038   }
1039 }
1040 layer {
1041   type: "relu"
1042   name: "relu_20"
1043   bottom: "conv1_20"
1044   top: "conv1_20"
1045 }
1046 layer {
1047   type: "pool"
1048   name: "pool_20"
1049   bottom: "conv1_20"
1050   top: "conv1_21"
1051   stride: 2
1052   kernel_size: 2
1053   pool_mode: "max"
1054 }
1055 convolution_param {
1056   num_output: 1024
1057   kernel_size: 3
1058   weight_filler {
1059     type: "xavier"
1060   }
1061   bias_filler {
1062     type: "constant"
1063     value: 0
1064   }
1065 }
1066 layer {
1067   type: "relu"
1068   name: "relu_21"
1069   bottom: "conv1_21"
1070   top: "conv1_21"
1071 }
1072 layer {
1073   type: "pool"
1074   name: "pool_21"
1075   bottom: "conv1_21"
1076   top: "conv1_22"
1077   stride: 2
1078   kernel_size: 2
1079   pool_mode: "max"
1080 }
1081 convolution_param {
1082   num_output: 1024
1083   kernel_size: 3
1084   weight_filler {
1085     type: "xavier"
1086   }
1087   bias_filler {
1088     type: "constant"
1089     value: 0
1090   }
1091 }
1092 layer {
1093   type: "relu"
1094   name: "relu_22"
1095   bottom: "conv1_22"
1096   top: "conv1_22"
1097 }
1098 layer {
1099   type: "pool"
1100   name: "pool_22"
1101   bottom: "conv1_22"
1102   top: "conv1_23"
1103   stride: 2
1104   kernel_size: 2
1105   pool_mode: "max"
1106 }
1107 convolution_param {
1108   num_output: 1024
1109   kernel_size: 3
1110   weight_filler {
1111     type: "xavier"
1112   }
1113   bias_filler {
1114     type: "constant"
1115     value: 0
1116   }
1117 }
1118 layer {
1119   type: "relu"
1120   name: "relu_23"
1121   bottom: "conv1_23"
1122   top: "conv1_23"
1123 }
1124 layer {
1125   type: "pool"
1126   name: "pool_23"
1127   bottom: "conv1_23"
1128   top: "conv1_24"
1129   stride: 2
1130   kernel_size: 2
1131   pool_mode: "max"
1132 }
1133 convolution_param {
1134   num_output: 1024
1135   kernel_size: 3
1136   weight_filler {
1137     type: "xavier"
1138   }
1139   bias_filler {
1140     type: "constant"
1141     value: 0
1142   }
1143 }
1144 layer {
1145   type: "relu"
1146   name: "relu_24"
1147   bottom: "conv1_24"
1148   top: "conv1_24"
1149 }
1150 layer {
1151   type: "pool"
1152   name: "pool_24"
1153   bottom: "conv1_24"
1154   top: "conv1_25"
1155   stride: 2
1156   kernel_size: 2
1157   pool_mode: "max"
1158 }
1159 convolution_param {
1160   num_output: 1024
1161   kernel_size: 3
1162   weight_filler {
1163     type: "xavier"
1164   }
1165   bias_filler {
1166     type: "constant"
1167     value: 0
1168   }
1169 }
1170 layer {
1171   type: "relu"
1172   name: "relu_25"
1173   bottom: "conv1_25"
1174   top: "conv1_25"
1175 }
1176 layer {
1177   type: "pool"
1178   name: "pool_25"
1179   bottom: "conv1_25"
1180   top: "conv1_26"
1181   stride: 2
1182   kernel_size: 2
1183   pool_mode: "max"
1184 }
1185 convolution_param {
1186   num_output: 1024
1187   kernel_size: 3
1188   weight_filler {
1189     type: "xavier"
1190   }
1191   bias_filler {
1192     type: "constant"
1193     value: 0
1194   }
1195 }
1196 layer {
1197   type: "relu"
1198   name: "relu_26"
1199   bottom: "conv1_26"
1200   top: "conv1_26"
1201 }
1202 layer {
1203   type: "pool"
1204   name: "pool_26"
1205   bottom: "conv1_26"
1206   top: "conv1_27"
1207   stride: 2
1208   kernel_size: 2
1209   pool_mode: "max"
1210 }
1211 convolution_param {
1212   num_output: 1024
1213   kernel_size: 3
1214   weight_filler {
1215     type: "xavier"
1216   }
1217   bias_filler {
1218     type: "constant"
1219     value: 0
1220   }
1221 }
1222 layer {
1223   type: "relu"
1224   name: "relu_27"
1225   bottom: "conv1_27"
1226   top: "conv1_27"
1227 }
1228 layer {
1229   type: "pool"
1230   name: "pool_27"
1231   bottom: "conv1_27"
1232   top: "conv1_28"
1233   stride: 2
1234   kernel_size: 2
1235   pool_mode: "max"
1236 }
1237 convolution_param {
1238   num_output: 1024
1239   kernel_size: 3
1240   weight_filler {
1241     type: "xavier"
1242   }
1243   bias_filler {
1244     type: "constant"
1245     value: 0
1246   }
1247 }
1248 layer {
1249   type: "relu"
1250   name: "relu_28"
1251   bottom: "conv1_28"
1252   top: "conv1_28"
1253 }
1254 layer {
1255   type: "pool"
1256   name: "pool_28"
1257   bottom: "conv1_28"
1258   top: "conv1_29"
1259   stride: 2
1260   kernel_size: 2
1261   pool_mode: "max"
1262 }
1263 convolution_param {
1264   num_output: 1024
1265   kernel_size: 3
1266   weight_filler {
1267     type: "xavier"
1268   }
1269   bias_filler {
1270     type: "constant"
1271     value: 0
1272   }
1273 }
1274 layer {
1275   type: "relu"
1276   name: "relu_29"
1277   bottom: "conv1_29"
1278   top: "conv1_29"
1279 }
1280 layer {
1281   type: "pool"
1282   name: "pool_29"
1283   bottom: "conv1_29"
1284   top: "conv1_30"
1285   stride: 2
1286   kernel_size: 2
1287   pool_mode: "max"
1288 }
1289 convolution_param {
1290   num_output: 1024
1291   kernel_size: 3
1292   weight_filler {
1293     type: "xavier"
1294   }
1295   bias_filler {
1296     type: "constant"
1297     value: 0
1298   }
1299 }
1300 layer {
1301   type: "relu"
1302   name: "relu_30"
1303   bottom: "conv1_30"
1304   top: "conv1_30"
1305 }
1306 layer {
1307   type: "pool"
1308   name: "pool_30"
1309   bottom: "conv1_30"
1310   top: "conv1_31"
1311   stride: 2
1312   kernel_size: 2
1313   pool_mode: "max"
1314 }
1315 convolution_param {
1316   num_output: 1024
1317   kernel_size: 3
1318   weight_filler {
1319     type: "xavier"
1320   }
1321   bias_filler {
1322     type: "constant"
1323     value: 0
1324   }
1325 }
1326 layer {
1327   type: "relu"
1328   name: "relu_31"
1329   bottom: "conv1_31"
1330   top: "conv1_31"
1331 }
1332 layer {
1333   type: "pool"
1334   name: "pool_31"
1335   bottom: "conv1_31"
1336   top: "conv1_32"
1337   stride: 2
1338   kernel_size: 2
1339   pool_mode: "max"
1340 }
1341 convolution_param {
1342   num_output: 1024
1343   kernel_size: 3
1344   weight_filler {
1345     type: "xavier"
1346   }
1347   bias_filler {
1348     type: "constant"
1349     value: 0
1350   }
1351 }
1352 layer {
1353   type: "relu"
1354   name: "relu_32"
1355   bottom: "conv1_32"
1356   top: "conv1_32"
1357 }
1358 layer {
1359   type: "pool"
1360   name: "pool_32"
1361   bottom: "conv1_32"
1362   top: "conv1_33"
1363   stride: 2
1364   kernel_size: 2
1365   pool_mode: "max"
1366 }
1367 convolution_param {
1368   num_output: 1024
1369   kernel_size: 3
1370   weight_filler {
1371     type: "xavier"
1372   }
1373   bias_filler {
1374     type: "constant"
1375     value: 0
1376   }
1377 }
1378 layer {
1379   type: "relu"
1380   name: "relu_33"
1381   bottom: "conv1_33"
1382   top: "conv1_33"
1383 }
1384 layer {
1385   type: "pool"
1386   name: "pool_33"
1387   bottom: "conv1_33"
1388   top: "conv1_34"
1389   stride: 2
1390   kernel_size: 2
1391   pool_mode: "max"
1392 }
1393 convolution_param {
1394   num_output: 1024
1395   kernel_size: 3
1396   weight_filler {
1397     type: "xavier"
1398   }
1399   bias_filler {
1400     type: "constant"
1401     value: 0
1402   }
1403 }
1404 layer {
1405   type: "relu"
1406   name: "relu_34"
1407   bottom: "conv1_34"
1408   top: "conv1_34"
1409 }
1410 layer {
1411   type: "pool"
1412   name: "pool_34"
1413   bottom: "conv1_34"
1414   top: "conv1_35"
1415   stride: 2
1416   kernel_size: 2
1417   pool_mode: "max"
1418 }
1419 convolution_param {
1420   num_output: 1024
1421   kernel_size: 3
1422   weight_filler {
1423     type: "xavier"
1424   }
1425   bias_filler {
1426     type: "constant"
1427     value: 0
1428   }
1429 }
1430 layer {
1431   type: "relu"
1432   name: "relu_35"
1433   bottom: "conv1_35"
1434   top: "conv1_35"
1435 }
1436 layer {
1437   type: "pool"
1438   name: "pool_35"
1439   bottom: "conv1_35"
1440   top: "conv1_36"
1441   stride: 2
1442   kernel_size: 2
1443   pool_mode: "max"
1444 }
1445 convolution_param {
1446   num_output: 1024
1447   kernel_size: 3
1448   weight_filler {
1449     type: "xavier"
1450   }
1451   bias_filler {
1452     type: "constant"
1453     value: 0
1454   }
1455 }
1456 layer {
1457   type: "relu"
1458   name: "relu_36"
1459   bottom: "conv1_36"
1460   top: "conv1_36"
1461 }
1462 layer {
1463   type: "pool"
1464   name: "pool_36"
1465   bottom: "conv1_36"
1466   top: "conv1_37"
1467   stride: 2
1468   kernel_size: 2
1469   pool_mode: "max"
1470 }
1471 convolution_param {
1472   num_output: 1024
1473   kernel_size: 3
1474   weight_filler {
1475     type: "xavier"
1476   }
1477   bias_filler {
1478     type: "constant"
1479     value: 0
1480   }
1481 }
1482 layer {
1483   type: "relu"
1484   name: "relu_37"
1485   bottom: "conv1_37"
1486   top: "conv1_37"
1487 }
1488 layer {
1489   type: "pool"
1490   name: "pool_37"
1491   bottom: "conv1_37"
1492   top: "conv1_38"
1493   stride: 2
1494   kernel_size: 2
1495   pool_mode: "max"
1496 }
1497 convolution_param {
1498   num_output: 1024
1499   kernel_size: 3
1500   weight_filler {
1501     type: "xavier"
1502   }
1503   bias_filler {
1504     type: "constant"
1505     value: 0
1506   }
1507 }
1508 layer {
1509   type: "relu"
1510   name: "relu_38"
1511   bottom: "conv1_38"
1512   top: "conv1_38"
1513 }
1514 layer {
1515   type: "pool"
1516   name: "pool_38"
1517   bottom: "conv1_38"
1518   top: "conv1_39"
1519   stride: 2
1520   kernel_size: 2
1521   pool_mode: "max"
1522 }
1523 convolution_param {
1524   num_output: 1024
1525   kernel_size: 3
1526   weight_filler {
1527     type: "xavier"
1528   }
1529   bias_filler {
1530     type: "constant"
1531     value: 0
1532   }
1533 }
1534 layer {
1535   type: "relu"
1536   name: "relu_39"
1537   bottom: "conv1_39"
1538   top: "conv1_39"
1539 }
1540 layer {
1541   type: "pool"
1542   name: "pool_39"
1543   bottom: "conv1_39"
1544   top: "conv1_40"
1545   stride: 2
1546   kernel_size: 2
1547   pool_mode: "max"
1548 }
1549 convolution_param {
1550   num_output: 1024
1551   kernel_size: 3
1552   weight_filler {
1553     type: "xavier"
1554   }
1555   bias_filler {
1556     type: "constant"
1557     value: 0
1558   }
1559 }
1560 layer {
1561   type: "relu"
1562   name: "relu_40"
1563   bottom: "conv1_40"
1564   top: "conv1_40"
1565 }
1566 layer {
1567   type: "pool"
1568   name: "pool_40"
1569   bottom: "conv1_40"
1570   top: "conv1_41"
1571   stride: 2
1572   kernel_size: 2
1573   pool_mode: "max"
1574 }
1575 convolution_param {
1576   num_output: 1024
1577   kernel_size: 3
1578   weight_filler {
1579     type: "xavier"
1580   }
1581   bias_filler {
1582     type: "constant"
1583     value: 0
1584   }
1585 }
1586 layer {
1587   type: "relu"
1588   name: "relu_41"
1589   bottom: "conv1_41"
1590   top: "conv1_41"
1591 }
1592 layer {
1593   type: "pool"
1594   name: "pool_41"
1595   bottom: "conv1_41"
1596   top: "conv1_42"
1597   stride: 2
1598   kernel_size: 2
1599   pool_mode: "max"
1600 }
1601 convolution_param {
1602   num_output: 1024
1603   kernel_size: 3
1604   weight_filler {
1605     type: "xavier"
1606   }
1607   bias_filler {
1608     type: "constant"
1609     value: 0
1610   }
1611 }
1612 layer {
1613   type: "relu"
1614   name: "relu_42"
1615   bottom: "conv1_42"
1616   top: "conv1_42"
1617 }
1618 layer {
1619   type: "pool"
1620   name: "pool_42"
1621   bottom: "conv1_42"
1622   top: "conv1_43"
1623   stride: 2
1624   kernel_size: 2
1625   pool_mode: "max"
1626 }
1627 convolution_param {
1628   num_output: 1024
1629   kernel_size: 3
1630   weight_filler {
1631     type: "xavier"
1632   }
1633   bias_filler {
1634     type: "constant"
1635     value: 0
1636   }
1637 }
1638 layer {
1639   type: "relu"
1640   name: "relu_43"
1641   bottom: "conv1_43"
1642   top: "conv1_43"
1643 }
1644 layer {
1645   type: "pool"
1646   name: "pool_43"
1647   bottom: "conv1_43"
1648   top: "conv1_44"
1649   stride: 2
1650   kernel_size: 2
1651   pool_mode: "max"
1652 }
1653 convolution_param {
1654   num_output: 1024
1655   kernel_size: 3
1656   weight_filler {
1657     type: "xavier"
1658   }
1659   bias_filler {
1660     type: "constant"
1661     value: 0
1662   }
1663 }
1664 layer {
1665   type: "relu"
1666   name: "relu_44"
1667   bottom: "conv1_44"
1668   top: "conv1_44"
1669 }
1670 layer {
1671   type: "pool"
1672   name: "pool_44"
1673   bottom: "conv1_44"
1674   top: "conv1_45"
1675   stride: 2
1676   kernel_size: 2
1677   pool_mode: "max"
1678 }
1679 convolution_param {
1680   num_output: 1024
1681   kernel_size: 3
1682   weight_filler {
1683     type: "xavier"
1684   }
1685   bias_filler {
1686     type: "constant"
1687     value: 0
1688   }
1689 }
1690 layer {
1691   type: "relu"
1692   name: "relu_45"
1693   bottom: "conv1_45"
1694   top: "conv1_45"
1695 }
1696 layer {
1697   type: "pool"
1698   name: "pool_45"
1699   bottom: "conv1_45"
1700   top: "conv1_46"
1701   stride: 2
1702   kernel_size: 2
1703   pool_mode: "max"
1704 }
1705 convolution_param {
1706   num_output: 1024
1707   kernel_size: 3
1708   weight_filler {
1709     type: "xavier"
1710   }
1711   bias_filler {
1712     type: "constant"
1713     value: 0
1714   }
1715 }
1716 layer {
1717   type: "relu"
1718   name: "relu_46"
1719   bottom: "conv1_46"
1720   top: "conv1_46"
1721 }
1722 layer {
1723   type: "pool"
1724   name: "pool_46"
1725   bottom: "conv1_46"
1726   top: "conv1_47"
1727   stride: 2
1728   kernel_size: 2
1729   pool_mode: "max"
1730 }
1731 convolution_param {
1732   num_output: 1024
1733   kernel_size: 3
1734   weight_filler {
1735     type: "xavier"
1736   }
1737   bias_filler {
1738
```

```
653 param {
654   type: "relu"
655   activation: "relu"
656   weight_filler {
657     type: "xavier"
658   }
659   bias_filler {
660     type: "constant"
661     value: 0
662   }
663 }
664
665 layer {
666   name: "conv1_1_relu"
667   type: "Convolution"
668   bottom: "conv1_1"
669   top: "conv1_2"
670
671   param {
672     name: "conv1_2"
673     type: "Convolution"
674     bottom: "conv1_1"
675     top: "conv1_2"
676
677     param {
678       kernel_size: 3
679       stride: 1
680       padding: 1
681       in_channels: 3
682       out_channels: 64
683       use_bias: true
684       convolution_param {
685         num_output: 64
686         kernel_size: 3
687         stride: 1
688         padding: 1
689         weight_filler {
690           type: "xavier"
691         }
692         bias_filler {
693           type: "constant"
694           value: 0
695         }
696       }
697     }
698
699     layer {
700       name: "conv1_2_relu"
701       type: "ReLU"
702       bottom: "conv1_2"
703       top: "conv1_2"
704     }
705   }
706
707   param {
708     name: "conv1_2"
709     type: "Convolution"
710     bottom: "conv1_2"
711     top: "conv1_2"
712
713     param {
714       kernel_size: 3
715       stride: 1
716       padding: 1
717       in_channels: 64
718       out_channels: 64
719       use_bias: true
720       convolution_param {
721         num_output: 64
722         kernel_size: 3
723         stride: 1
724         padding: 1
725         weight_filler {
726           type: "xavier"
727         }
728         bias_filler {
729           type: "constant"
730           value: 0
731         }
732       }
733     }
734
735     layer {
736       name: "conv1_2_relu"
737       type: "ReLU"
738       bottom: "conv1_2"
739       top: "conv1_2"
740     }
741   }
742
743   param {
744     name: "conv1_2"
745     type: "Convolution"
746     bottom: "conv1_2"
747     top: "conv1_2"
748
749     param {
750       kernel_size: 3
751       stride: 1
752       padding: 1
753       in_channels: 64
754       out_channels: 64
755       use_bias: true
756       convolution_param {
757         num_output: 64
758         kernel_size: 3
759         stride: 1
760         padding: 1
761         weight_filler {
762           type: "xavier"
763         }
764         bias_filler {
765           type: "constant"
766           value: 0
767         }
768       }
769     }
770
771     layer {
772       name: "conv1_2_relu"
773       type: "ReLU"
774       bottom: "conv1_2"
775       top: "conv1_2"
776     }
777   }
778
779   param {
780     name: "conv1_2"
781     type: "Convolution"
782     bottom: "conv1_2"
783     top: "conv1_2"
784
785     param {
786       kernel_size: 3
787       stride: 1
788       padding: 1
789       in_channels: 64
790       out_channels: 64
791       use_bias: true
792       convolution_param {
793         num_output: 64
794         kernel_size: 3
795         stride: 1
796         padding: 1
797         weight_filler {
798           type: "xavier"
799         }
800         bias_filler {
801           type: "constant"
802           value: 0
803         }
804       }
805     }
806
807     layer {
808       name: "conv1_2_relu"
809       type: "ReLU"
810       bottom: "conv1_2"
811       top: "conv1_2"
812     }
813   }
814
815   param {
816     name: "conv1_2"
817     type: "Convolution"
818     bottom: "conv1_2"
819     top: "conv1_2"
820
821     param {
822       kernel_size: 3
823       stride: 1
824       padding: 1
825       in_channels: 64
826       out_channels: 64
827       use_bias: true
828       convolution_param {
829         num_output: 64
830         kernel_size: 3
831         stride: 1
832         padding: 1
833         weight_filler {
834           type: "xavier"
835         }
836         bias_filler {
837           type: "constant"
838           value: 0
839         }
840       }
841     }
842
843     layer {
844       name: "conv1_2_relu"
845       type: "ReLU"
846       bottom: "conv1_2"
847       top: "conv1_2"
848     }
849   }
850
851   param {
852     name: "conv1_2"
853     type: "Convolution"
854     bottom: "conv1_2"
855     top: "conv1_2"
856
857     param {
858       kernel_size: 3
859       stride: 1
860       padding: 1
861       in_channels: 64
862       out_channels: 64
863       use_bias: true
864       convolution_param {
865         num_output: 64
866         kernel_size: 3
867         stride: 1
868         padding: 1
869         weight_filler {
870           type: "xavier"
871         }
872         bias_filler {
873           type: "constant"
874           value: 0
875         }
876       }
877     }
878
879     layer {
880       name: "conv1_2_relu"
881       type: "ReLU"
882       bottom: "conv1_2"
883       top: "conv1_2"
884     }
885   }
886
887   param {
888     name: "conv1_2"
889     type: "Convolution"
890     bottom: "conv1_2"
891     top: "conv1_2"
892
893     param {
894       kernel_size: 3
895       stride: 1
896       padding: 1
897       in_channels: 64
898       out_channels: 64
899       use_bias: true
900       convolution_param {
901         num_output: 64
902         kernel_size: 3
903         stride: 1
904         padding: 1
905         weight_filler {
906           type: "xavier"
907         }
908         bias_filler {
909           type: "constant"
910           value: 0
911         }
912       }
913     }
914
915     layer {
916       name: "conv1_2_relu"
917       type: "ReLU"
918       bottom: "conv1_2"
919       top: "conv1_2"
920     }
921   }
922
923   param {
924     name: "conv1_2"
925     type: "Convolution"
926     bottom: "conv1_2"
927     top: "conv1_2"
928
929     param {
930       kernel_size: 3
931       stride: 1
932       padding: 1
933       in_channels: 64
934       out_channels: 64
935       use_bias: true
936       convolution_param {
937         num_output: 64
938         kernel_size: 3
939         stride: 1
940         padding: 1
941         weight_filler {
942           type: "xavier"
943         }
944         bias_filler {
945           type: "constant"
946           value: 0
947         }
948       }
949     }
950
951     layer {
952       name: "conv1_2_relu"
953       type: "ReLU"
954       bottom: "conv1_2"
955       top: "conv1_2"
956     }
957   }
958
959   param {
960     name: "conv1_2"
961     type: "Convolution"
962     bottom: "conv1_2"
963     top: "conv1_2"
964
965     param {
966       kernel_size: 3
967       stride: 1
968       padding: 1
969       in_channels: 64
970       out_channels: 64
971       use_bias: true
972       convolution_param {
973         num_output: 64
974         kernel_size: 3
975         stride: 1
976         padding: 1
977         weight_filler {
978           type: "xavier"
979         }
980         bias_filler {
981           type: "constant"
982           value: 0
983         }
984       }
985     }
986
987     layer {
988       name: "conv1_2_relu"
989       type: "ReLU"
990       bottom: "conv1_2"
991       top: "conv1_2"
992     }
993   }
994
995   param {
996     name: "conv1_2"
997     type: "Convolution"
998     bottom: "conv1_2"
999     top: "conv1_2"
1000
1001     param {
1002       kernel_size: 3
1003       stride: 1
1004       padding: 1
1005       in_channels: 64
1006       out_channels: 64
1007       use_bias: true
1008       convolution_param {
1009         num_output: 64
1010         kernel_size: 3
1011         stride: 1
1012         padding: 1
1013         weight_filler {
1014           type: "xavier"
1015         }
1016         bias_filler {
1017           type: "constant"
1018           value: 0
1019         }
1020       }
1021     }
1022
1023     layer {
1024       name: "conv1_2_relu"
1025       type: "ReLU"
1026       bottom: "conv1_2"
1027       top: "conv1_2"
1028     }
1029   }
1030
1031   param {
1032     name: "conv1_2"
1033     type: "Convolution"
1034     bottom: "conv1_2"
1035     top: "conv1_2"
1036
1037     param {
1038       kernel_size: 3
1039       stride: 1
1040       padding: 1
1041       in_channels: 64
1042       out_channels: 64
1043       use_bias: true
1044       convolution_param {
1045         num_output: 64
1046         kernel_size: 3
1047         stride: 1
1048         padding: 1
1049         weight_filler {
1050           type: "xavier"
1051         }
1052         bias_filler {
1053           type: "constant"
1054           value: 0
1055         }
1056       }
1057     }
1058
1059     layer {
1060       name: "conv1_2_relu"
1061       type: "ReLU"
1062       bottom: "conv1_2"
1063       top: "conv1_2"
1064     }
1065   }
1066
1067   param {
1068     name: "conv1_2"
1069     type: "Convolution"
1070     bottom: "conv1_2"
1071     top: "conv1_2"
1072
1073     param {
1074       kernel_size: 3
1075       stride: 1
1076       padding: 1
1077       in_channels: 64
1078       out_channels: 64
1079       use_bias: true
1080       convolution_param {
1081         num_output: 64
1082         kernel_size: 3
1083         stride: 1
1084         padding: 1
1085         weight_filler {
1086           type: "xavier"
1087         }
1088         bias_filler {
1089           type: "constant"
1090           value: 0
1091         }
1092       }
1093     }
1094
1095     layer {
1096       name: "conv1_2_relu"
1097       type: "ReLU"
1098       bottom: "conv1_2"
1099       top: "conv1_2"
1100     }
1101   }
1102
1103   param {
1104     name: "conv1_2"
1105     type: "Convolution"
1106     bottom: "conv1_2"
1107     top: "conv1_2"
1108
1109     param {
1110       kernel_size: 3
1111       stride: 1
1112       padding: 1
1113       in_channels: 64
1114       out_channels: 64
1115       use_bias: true
1116       convolution_param {
1117         num_output: 64
1118         kernel_size: 3
1119         stride: 1
1120         padding: 1
1121         weight_filler {
1122           type: "xavier"
1123         }
1124         bias_filler {
1125           type: "constant"
1126           value: 0
1127         }
1128       }
1129     }
1130
1131     layer {
1132       name: "conv1_2_relu"
1133       type: "ReLU"
1134       bottom: "conv1_2"
1135       top: "conv1_2"
1136     }
1137   }
1138
1139   param {
1140     name: "conv1_2"
1141     type: "Convolution"
1142     bottom: "conv1_2"
1143     top: "conv1_2"
1144
1145     param {
1146       kernel_size: 3
1147       stride: 1
1148       padding: 1
1149       in_channels: 64
1150       out_channels: 64
1151       use_bias: true
1152       convolution_param {
1153         num_output: 64
1154         kernel_size: 3
1155         stride: 1
1156         padding: 1
1157         weight_filler {
1158           type: "xavier"
1159         }
1160         bias_filler {
1161           type: "constant"
1162           value: 0
1163         }
1164       }
1165     }
1166
1167     layer {
1168       name: "conv1_2_relu"
1169       type: "ReLU"
1170       bottom: "conv1_2"
1171       top: "conv1_2"
1172     }
1173   }
1174
1175   param {
1176     name: "conv1_2"
1177     type: "Convolution"
1178     bottom: "conv1_2"
1179     top: "conv1_2"
1180
1181     param {
1182       kernel_size: 3
1183       stride: 1
1184       padding: 1
1185       in_channels: 64
1186       out_channels: 64
1187       use_bias: true
1188       convolution_param {
1189         num_output: 64
1190         kernel_size: 3
1191         stride: 1
1192         padding: 1
1193         weight_filler {
1194           type: "xavier"
1195         }
1196         bias_filler {
1197           type: "constant"
1198           value: 0
1199         }
1200       }
1201     }
1202
1203     layer {
1204       name: "conv1_2_relu"
1205       type: "ReLU"
1206       bottom: "conv1_2"
1207       top: "conv1_2"
1208     }
1209   }
1210
1211   param {
1212     name: "conv1_2"
1213     type: "Convolution"
1214     bottom: "conv1_2"
1215     top: "conv1_2"
1216
1217     param {
1218       kernel_size: 3
1219       stride: 1
1220       padding: 1
1221       in_channels: 64
1222       out_channels: 64
1223       use_bias: true
1224       convolution_param {
1225         num_output: 64
1226         kernel_size: 3
1227         stride: 1
1228         padding: 1
1229         weight_filler {
1230           type: "xavier"
1231         }
1232         bias_filler {
1233           type: "constant"
1234           value: 0
1235         }
1236       }
1237     }
1238
1239     layer {
1240       name: "conv1_2_relu"
1241       type: "ReLU"
1242       bottom: "conv1_2"
1243       top: "conv1_2"
1244     }
1245   }
1246
1247   param {
1248     name: "conv1_2"
1249     type: "Convolution"
1250     bottom: "conv1_2"
1251     top: "conv1_2"
1252
1253     param {
1254       kernel_size: 3
1255       stride: 1
1256       padding: 1
1257       in_channels: 64
1258       out_channels: 64
1259       use_bias: true
1260       convolution_param {
1261         num_output: 64
1262         kernel_size: 3
1263         stride: 1
1264         padding: 1
1265         weight_filler {
1266           type: "xavier"
1267         }
1268         bias_filler {
1269           type: "constant"
1270           value: 0
1271         }
1272       }
1273     }
1274
1275     layer {
1276       name: "conv1_2_relu"
1277       type: "ReLU"
1278       bottom: "conv1_2"
1279       top: "conv1_2"
1280     }
1281   }
1282
1283   param {
1284     name: "conv1_2"
1285     type: "Convolution"
1286     bottom: "conv1_2"
1287     top: "conv1_2"
1288
1289     param {
1290       kernel_size: 3
1291       stride: 1
1292       padding: 1
1293       in_channels: 64
1294       out_channels: 64
1295       use_bias: true
1296       convolution_param {
1297         num_output: 64
1298         kernel_size: 3
1299         stride: 1
1300         padding: 1
1301         weight_filler {
1302           type: "xavier"
1303         }
1304         bias_filler {
1305           type: "constant"
1306           value: 0
1307         }
1308       }
1309     }
1310
1311     layer {
1312       name: "conv1_2_relu"
1313       type: "ReLU"
1314       bottom: "conv1_2"
1315       top: "conv1_2"
1316     }
1317   }
1318
1319   param {
1320     name: "conv1_2"
1321     type: "Convolution"
1322     bottom: "conv1_2"
1323     top: "conv1_2"
1324
1325     param {
1326       kernel_size: 3
1327       stride: 1
1328       padding: 1
1329       in_channels: 64
1330       out_channels: 64
1331       use_bias: true
1332       convolution_param {
1333         num_output: 64
1334         kernel_size: 3
1335         stride: 1
1336         padding: 1
1337         weight_filler {
1338           type: "xavier"
1339         }
1340         bias_filler {
1341           type: "constant"
1342           value: 0
1343         }
1344       }
1345     }
1346
1347     layer {
1348       name: "conv1_2_relu"
1349       type: "ReLU"
1350       bottom: "conv1_2"
1351       top: "conv1_2"
1352     }
1353   }
1354
1355   param {
1356     name: "conv1_2"
1357     type: "Convolution"
1358     bottom: "conv1_2"
1359     top: "conv1_2"
1360
1361     param {
1362       kernel_size: 3
1363       stride: 1
1364       padding: 1
1365       in_channels: 64
1366       out_channels: 64
1367       use_bias: true
1368       convolution_param {
1369         num_output: 64
1370         kernel_size: 3
1371         stride: 1
1372         padding: 1
1373         weight_filler {
1374           type: "xavier"
1375         }
1376         bias_filler {
1377           type: "constant"
1378           value: 0
1379         }
1380       }
1381     }
1382
1383     layer {
1384       name: "conv1_2_relu"
1385       type: "ReLU"
1386       bottom: "conv1_2"
1387       top: "conv1_2"
1388     }
1389   }
1390
1391   param {
1392     name: "conv1_2"
1393     type: "Convolution"
1394     bottom: "conv1_2"
1395     top: "conv1_2"
1396
1397     param {
1398       kernel_size: 3
1399       stride: 1
1400       padding: 1
1401       in_channels: 64
1402       out_channels: 64
1403       use_bias: true
1404       convolution_param {
1405         num_output: 64
1406         kernel_size: 3
1407         stride: 1
1408         padding: 1
1409         weight_filler {
1410           type: "xavier"
1411         }
1412         bias_filler {
1413           type: "constant"
1414           value: 0
1415         }
1416       }
1417     }
1418
1419     layer {
1420       name: "conv1_2_relu"
1421       type: "ReLU"
1422       bottom: "conv1_2"
1423       top: "conv1_2"
1424     }
1425   }
1426
1427   param {
1428     name: "conv1_2"
1429     type: "Convolution"
1430     bottom: "conv1_2"
1431     top: "conv1_2"
1432
1433     param {
1434       kernel_size: 3
1435       stride: 1
1436       padding: 1
1437       in_channels: 64
1438       out_channels: 64
1439       use_bias: true
1440       convolution_param {
1441         num_output: 64
1442         kernel_size: 3
1443         stride: 1
1444         padding: 1
1445         weight_filler {
1446           type: "xavier"
1447         }
1448         bias_filler {
1449           type: "constant"
1450           value: 0
1451         }
1452       }
1453     }
1454
1455     layer {
1456       name: "conv1_2_relu"
1457       type: "ReLU"
1458       bottom: "conv1_2"
1459       top: "conv1_2"
1460     }
1461   }
1462
1463   param {
1464     name: "conv1_2"
1465     type: "Convolution"
1466     bottom: "conv1_2"
1467     top: "conv1_2"
1468
1469     param {
1470       kernel_size: 3
1471       stride: 1
1472       padding: 1
1473       in_channels: 64
1474       out_channels: 64
1475       use_bias: true
1476       convolution_param {
1477         num_output: 64
1478         kernel_size: 3
1479         stride: 1
1480         padding: 1
1481         weight_filler {
1482           type: "xavier"
1483         }
1484         bias_filler {
1485           type: "constant"
1486           value: 0
1487         }
1488       }
1489     }
1490
1491     layer {
1492       name: "conv1_2_relu"
1493       type: "ReLU"
1494       bottom: "conv1_2"
1495       top: "conv1_2"
1496     }
1497   }
1498
1499   param {
1500     name: "conv1_2"
1501     type: "Convolution"
1502     bottom: "conv1_2"
1503     top: "conv1_2"
1504
1505     param {
1506       kernel_size: 3
1507       stride: 1
1508       padding: 1
1509       in_channels: 64
1510       out_channels: 64
1511       use_bias: true
1512       convolution_param {
1513         num_output: 64
1514         kernel_size: 3
1515         stride: 1
1516         padding: 1
1517         weight_filler {
1518           type: "xavier"
1519         }
1520         bias_filler {
1521           type: "constant"
1522           value: 0
1523         }
1524       }
1525     }
1526
1527     layer {
1528       name: "conv1_2_relu"
1529       type: "ReLU"
1530       bottom: "conv1_2"
1531       top: "conv1_2"
1532     }
1533   }
1534
1535   param {
1536     name: "conv1_2"
1537     type: "Convolution"
1538     bottom: "conv1_2"
1539     top: "conv1_2"
1540
1541     param {
1542       kernel_size: 3
1543       stride: 1
1544       padding: 1
1545       in_channels: 64
1546       out_channels: 64
1547       use_bias: true
1548       convolution_param {
1549         num_output: 64
1550         kernel_size: 3
1551         stride: 1
1552         padding: 1
1553         weight_filler {
1554           type: "xavier"
1555         }
1556         bias_filler {
1557           type: "constant"
1558           value: 0
1559         }
1560       }
1561     }
1562
1563     layer {
1564       name: "conv1_2_relu"
1565       type: "ReLU"
1566       bottom: "conv1_2"
1567       top: "conv1_2"
1568     }
1569   }
1570
1571   param {
1572     name: "conv1_2"
1573     type: "Convolution"
1574     bottom: "conv1_2"
1575     top: "conv1_2"
1576
1577     param {
1578       kernel_size: 3
1579       stride: 1
1580       padding: 1
1581       in_channels: 64
1582       out_channels: 64
1583       use_bias: true
1584       convolution_param {
1585         num_output: 64
1586         kernel_size: 3
1587         stride: 1
1588         padding: 1
1589         weight_filler {
1590           type: "xavier"
1591         }
1592         bias_filler {
1593           type: "constant"
1594           value: 0
1595         }
1596       }
1597     }
1598
1599     layer {
1600       name: "conv1_2_relu"
1601       type: "ReLU"
1602       bottom: "conv1_2"
1603       top: "conv1_2"
1604     }
1605   }
1606
1607   param {
1608     name: "conv1_2"
1609     type: "Convolution"
1610     bottom: "conv1_2"
1611     top: "conv1_2"
1612
1613     param {
1614       kernel_size: 3
1615       stride: 1
1616       padding: 1
1617       in_channels: 64
1618       out_channels: 64
1619       use_bias: true
1620       convolution_param {
1621         num_output: 64
1622         kernel_size: 3
1623         stride: 1
1624         padding: 1
1625         weight_filler {
1626           type: "xavier"
1627         }
1628         bias_filler {
1629           type: "constant"
1630           value: 0
1631         }
1632       }
1633     }
1634
1635     layer {
1636       name: "conv1_2_relu"
1637       type: "ReLU"
1638       bottom: "conv1_2"
1639       top: "conv1_2"
1640     }
1641   }
1642
1643   param {
1644     name: "conv1_2"
1645     type: "Convolution"
1646     bottom: "conv1_2"
1647     top: "conv1_2"
1648
1649     param {
1650       kernel_size: 3
1651       stride: 1
1652       padding: 1
1653       in_channels: 64
1654       out_channels: 64
1655       use_bias: true
1656       convolution_param {
1657         num_output: 64
1658         kernel_size: 3
1659         stride: 1
1660         padding: 1
1661         weight_filler {
1662           type: "xavier"
1663         }
1664         bias_filler {
1665           type: "constant"
1666           value: 0
1667         }
1668       }
1669     }
1670
1671     layer {
1672       name: "conv1_2_relu"
1673       type: "ReLU"
1674       bottom: "conv1_2"
1675       top: "conv1_2"
1676     }
1677   }
1678
1679   param {
1680     name: "conv1_2"
1681     type: "Convolution"
1682     bottom: "conv1_2"
1683     top: "conv1_2"
1684
1685     param {
1686       kernel_size: 3
1687       stride: 1
1688       padding: 1
1689       in_channels: 64
1690       out_channels: 64
1691       use_bias: true
1692       convolution_param {
1693         num_output: 64
1694         kernel_size: 3
1695         stride: 1
1696         padding: 1
1697         weight_filler {
1698           type: "xavier"
1699         }
1700         bias_filler {
1701           type: "constant"
1702           value: 0
1703         }
1704       }
1705     }
1706
1707     layer {
1708       name: "conv1_2_relu"
1709       type: "ReLU"
1710       bottom: "conv1_2"
1711       top: "conv1_2"
1712     }
1713   }
1714
1715   param {
1716     name: "conv1_2"
1717     type: "Convolution"
1718     bottom: "conv1_2"
1719     top: "conv1_2"
1720
1721     param {
1722       kernel_size: 3
1723       stride: 1
1724       padding: 1
1725       in_channels: 64
1726       out_channels: 64
1727       use_bias: true
1728       convolution_param {
1729         num_output: 64
1730         kernel_size: 3
1731         stride: 1
1732         padding: 1
1733         weight_filler {
1734           type: "xavier"
1735         }
1736         bias_filler {
1737           type: "constant"
1738           value: 0
1739         }
1740       }
1741     }
1742
1743     layer {
1744       name: "conv1_2_relu"
1745       type: "ReLU"
1746       bottom: "conv1_2"
1747       top: "conv1_2"
1748     }
1749   }
1750
1751   param {
1752     name: "conv1_2"
1753     type: "Convolution"
1754     bottom: "conv1_2"
1755     top: "conv1_2"
1756
1757     param {
1758       kernel_size: 3
1759       stride: 1
1760       padding: 1
1761       in_channels: 64
1762       out_channels: 64
1763       use_bias: true
1764       convolution_param {
1765         num_output: 64
1766         kernel_size: 3
1767         stride: 1
1768         padding: 1
1769         weight_filler {
1770           type: "xavier"
1771         }
1772         bias_filler {
1773           type: "constant"
1774           value: 0
1775         }
1776       }
1777     }
1778
1779     layer {
1780       name: "conv1_2_relu"
1781       type: "ReLU"
1782       bottom: "conv1_2"
1783       top: "conv1_2"
1784     }
1785   }
1786
1787   param {
1788     name: "conv1_2"
1789     type: "Convolution"
1790     bottom: "conv1_2"
1791     top: "conv1_2"
1792
1793     param {
1794       kernel_size: 3
1795       stride: 1
1796       padding: 1
1797       in_channels: 64
1798       out_channels: 64
1799       use_bias: true
1800       convolution_param {
1801         num_output: 64
1802         kernel_size: 3
1803         stride: 1
1804         padding: 1
1805         weight_filler {
1806           type: "xavier"
1807         }
1808         bias_filler {
1809           type: "constant"
1810           value: 0
1811         }
1812       }
1813     }
1814
1815     layer {
1816       name: "conv1_2_relu"
1817       type: "ReLU"
1818       bottom: "conv1_2"
1819       top: "conv1_2"
1820     }
1821   }
1822
1823   param {
1824     name: "conv1_2"
1825     type: "Convolution"
1826     bottom: "conv1_2"
1827     top: "conv1_2"
1828
1829     param {
1830       kernel_size: 3
1831       stride: 1
1832       padding: 1
1833       in_channels: 64
1834       out_channels: 64
1835       use_bias: true
1836       convolution_param {
1837         num_output: 64
1838         kernel_size: 3
1839         stride: 1
1840         padding: 1
1841         weight_filler {
1842           type: "xavier"
1843         }
1844         bias_filler {
1845           type: "constant"
1846           value: 0
1847         }
1848       }
1849     }
1850
1851     layer {
1852       name: "conv1_2_relu"
1853       type: "ReLU"
1854       bottom: "conv1_2"
1855       top: "conv1_2"
1856     }
1857   }
1858
1859   param {
1860     name: "conv1_2"
1861     type: "Convolution"
1862     bottom: "conv1_2"
1863     top: "conv1_2"
1864
1865     param {
1866       kernel_size: 3
1867       stride: 1
1868       padding: 1
1869       in_channels: 64
1870       out_channels: 64
1871       use_bias: true
1872       convolution_param {
1873         num_output: 64
1874         kernel_size: 3
1875         stride: 1
1876         padding: 1
1877         weight_filler {
1878           type: "xavier"
1879         }
1880         bias_filler {
1881           type: "constant"
1882           value: 0
1883         }
1884       }
1885     }
1886
1887     layer {
1888       name: "conv1_2_relu"
1889       type: "ReLU"
1890       bottom: "conv1_2"
1891       top: "conv1_2"
1892     }
1893   }
1894
1895   param {
1896     name: "conv1_2"
1897     type: "Convolution"
1898     bottom: "conv1_2"
1899     top: "conv1_2"
1900
1901     param {
1902       kernel_size: 3
1903       stride: 1
1904       padding: 1
1905       in_channels: 64
1906       out_channels: 64
1907       use_bias: true
1908       convolution_param {
1909         num_output: 64
1910         kernel_size: 3
1911         stride: 1
1912         padding: 1
1913         weight_filler {
1914           type: "xavier"
1915         }
1916         bias_filler {

```

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[illegible][illegible]

Excel compatible Analysis Results (experimental)

12/13/2018

VGG VOC0712 SSD 300x300 test — Netscope CNN Analyzer

```

5813 def test_main_output_param {
5814     run_command {
5815         echo "line1: true"
5816         background_label_id: 0
5817     }
5818     main_param {
5819         run_command {
5820             echo "line2: 0.01"
5821         }
5822     }
5823 }
5824
5825 main_output_param {
5826     run_command {
5827         echo "main_output_param: 'comp test_label'"
5828     }
5829     output_param {
5830         echo "label"
5831     }
5832     label_main_file {
5833         echo "main_output_label_main_param"
5834     }
5835     main_line_file {
5836         echo "main_output_line_main_line"
5837     }
5838 }
5839
5840 # test: main: CENTER_SIZE
5841 # test: line: 0.01
5842 confidence_threshold: 0.01
5843
5844
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```