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Details										
ID	name	type	batch	ch_in	ch_out	ch_in1	ch_out1	op_name	activation	norm_type
1	data	AnnotationData			undefined	undefined	0	0	mean	activation
								comp	param	0
								add	0	
								div	0	
								exp	0	
2	conv1_1	Convolution	0	0x0	64	0x0		mean	activation	None
							comp	param	64	
							add	0		
							div	0		
							exp	0		
3	relu1_1	ReLU	64	0x0	64	0x0		mean	activation	None
							comp	param	0	
							add	0		
							div	0		
							exp	0		
4	conv1_2	Convolution	64	0x0	64	0x0		mean	activation	None
							comp	param	361528	
							add	0		
							div	0		
							exp	0		
5	relu2_1	ReLU	64	0x0	64	0x0		mean	activation	None
							comp	param	0	
							add	0		
							div	0		
							exp	0		
6	pool1	Pooling	64	0x0	64	0x0		mean	activation	None
							comp	param	0	
							add	0		
							div	0		
							exp	0		
7	conv2_1	Convolution	64	0x0	128	0x0		mean	activation	None
							comp	param	79956	
							add	0		
							div	0		
							exp	0		
8	relu2_1	ReLU	128	0x0	128	0x0		mean	activation	None
							comp	param	0	
							add	0		
							div	0		
							exp	0		
9	conv2_2	Convolution	128	0x0	128	0x0		mean	activation	None
							comp	param	147364	
							add	0		
							div	0		
							exp	0		

```
653 layer {
654   name: "conv1_1_relu"
655   type: "ReLU"
656   bottom: "conv1_1"
657   top: "conv1_2"
658 }
659 convolution_param {
660   num_output: 64
661   kernel_size: 3
662   stride: 1
663   type: "asymmetric"
664 }
665 bias_filler {
666   type: "constant"
667   value: 0
668 }
669 }
670 }
671 layer {
672   name: "conv2_1_relu"
673   type: "ReLU"
674   bottom: "conv2_1"
675   top: "conv2_2"
676 }
677 convolution_param {
678   num_output: 64
679   kernel_size: 3
680   stride: 1
681   type: "asymmetric"
682 }
683 bias_filler {
684   type: "constant"
685   value: 0
686 }
687 }
688 layer {
689   name: "conv3_1_relu"
690   type: "ReLU"
691   bottom: "conv3_1"
692   top: "conv3_2"
693 }
694 convolution_param {
695   num_output: 128
696   kernel_size: 3
697   stride: 1
698   type: "asymmetric"
699 }
700 bias_filler {
701   type: "constant"
702   value: 0
703 }
704 }
705 layer {
706   name: "conv4_1_relu"
707   type: "ReLU"
708   bottom: "conv4_1"
709   top: "conv4_2"
710 }
711 convolution_param {
712   num_output: 128
713   kernel_size: 3
714   stride: 1
715   type: "asymmetric"
716 }
717 bias_filler {
718   type: "constant"
719   value: 0
720 }
721 }
722 layer {
723   name: "conv5_1_relu"
724   type: "ReLU"
725   bottom: "conv5_1"
726   top: "conv5_2"
727 }
728 convolution_param {
729   num_output: 128
730   kernel_size: 3
731   stride: 1
732   type: "asymmetric"
733 }
734 bias_filler {
735   type: "constant"
736   value: 0
737 }
738 }
739 layer {
740   name: "conv6_1_relu"
741   type: "ReLU"
742   bottom: "conv6_1"
743   top: "conv6_2"
744 }
745 convolution_param {
746   num_output: 256
747   kernel_size: 3
748   stride: 1
749   type: "asymmetric"
750 }
751 bias_filler {
752   type: "constant"
753   value: 0
754 }
755 }
756 layer {
757   name: "conv7_1_relu"
758   type: "ReLU"
759   bottom: "conv7_1"
760   top: "conv7_2"
761 }
762 convolution_param {
763   num_output: 256
764   kernel_size: 3
765   stride: 1
766   type: "asymmetric"
767 }
768 bias_filler {
769   type: "constant"
770   value: 0
771 }
772 }
773 layer {
774   name: "conv8_1_relu"
775   type: "ReLU"
776   bottom: "conv8_1"
777   top: "conv8_2"
778 }
779 convolution_param {
780   num_output: 256
781   kernel_size: 3
782   stride: 1
783   type: "asymmetric"
784 }
785 bias_filler {
786   type: "constant"
787   value: 0
788 }
789 }
790 layer {
791   name: "conv9_1_relu"
792   type: "ReLU"
793   bottom: "conv9_1"
794   top: "conv9_2"
795 }
796 convolution_param {
797   num_output: 256
798   kernel_size: 3
799   stride: 1
800   type: "asymmetric"
801 }
802 bias_filler {
803   type: "constant"
804   value: 0
805 }
806 }
807 layer {
808   name: "conv10_1_relu"
809   type: "ReLU"
810   bottom: "conv10_1"
811   top: "conv10_2"
812 }
813 convolution_param {
814   num_output: 256
815   kernel_size: 3
816   stride: 1
817   type: "asymmetric"
818 }
819 bias_filler {
820   type: "constant"
821   value: 0
822 }
823 }
824 layer {
825   name: "conv11_1_relu"
826   type: "ReLU"
827   bottom: "conv11_1"
828   top: "conv11_2"
829 }
830 convolution_param {
831   num_output: 256
832   kernel_size: 3
833   stride: 1
834   type: "asymmetric"
835 }
836 bias_filler {
837   type: "constant"
838   value: 0
839 }
840 }
841 layer {
842   name: "conv12_1_relu"
843   type: "ReLU"
844   bottom: "conv12_1"
845   top: "conv12_2"
846 }
847 convolution_param {
848   num_output: 256
849   kernel_size: 3
850   stride: 1
851   type: "asymmetric"
852 }
853 bias_filler {
854   type: "constant"
855   value: 0
856 }
857 }
858 layer {
859   name: "conv13_1_relu"
860   type: "ReLU"
861   bottom: "conv13_1"
862   top: "conv13_2"
863 }
864 convolution_param {
865   num_output: 256
866   kernel_size: 3
867   stride: 1
868   type: "asymmetric"
869 }
870 bias_filler {
871   type: "constant"
872   value: 0
873 }
874 }
875 layer {
876   name: "conv14_1_relu"
877   type: "ReLU"
878   bottom: "conv14_1"
879   top: "conv14_2"
880 }
881 convolution_param {
882   num_output: 256
883   kernel_size: 3
884   stride: 1
885   type: "asymmetric"
886 }
887 bias_filler {
888   type: "constant"
889   value: 0
890 }
891 }
892 layer {
893   name: "conv15_1_relu"
894   type: "ReLU"
895   bottom: "conv15_1"
896   top: "conv15_2"
897 }
898 convolution_param {
899   num_output: 256
900   kernel_size: 3
901   stride: 1
902   type: "asymmetric"
903 }
904 bias_filler {
905   type: "constant"
906   value: 0
907 }
908 }
909 layer {
910   name: "conv16_1_relu"
911   type: "ReLU"
912   bottom: "conv16_1"
913   top: "conv16_2"
914 }
915 convolution_param {
916   num_output: 256
917   kernel_size: 3
918   stride: 1
919   type: "asymmetric"
920 }
921 bias_filler {
922   type: "constant"
923   value: 0
924 }
925 }
926 layer {
927   name: "conv17_1_relu"
928   type: "ReLU"
929   bottom: "conv17_1"
930   top: "conv17_2"
931 }
932 convolution_param {
933   num_output: 256
934   kernel_size: 3
935   stride: 1
936   type: "asymmetric"
937 }
938 bias_filler {
939   type: "constant"
940   value: 0
941 }
942 }
943 layer {
944   name: "conv18_1_relu"
945   type: "ReLU"
946   bottom: "conv18_1"
947   top: "conv18_2"
948 }
949 convolution_param {
950   num_output: 256
951   kernel_size: 3
952   stride: 1
953   type: "asymmetric"
954 }
955 bias_filler {
956   type: "constant"
957   value: 0
958 }
959 }
960 layer {
961   name: "conv19_1_relu"
962   type: "ReLU"
963   bottom: "conv19_1"
964   top: "conv19_2"
965 }
966 convolution_param {
967   num_output: 256
968   kernel_size: 3
969   stride: 1
970   type: "asymmetric"
971 }
972 bias_filler {
973   type: "constant"
974   value: 0
975 }
976 }
977 layer {
978   name: "conv20_1_relu"
979   type: "ReLU"
980   bottom: "conv20_1"
981   top: "conv20_2"
982 }
983 convolution_param {
984   num_output: 256
985   kernel_size: 3
986   stride: 1
987   type: "asymmetric"
988 }
989 bias_filler {
990   type: "constant"
991   value: 0
992 }
993 }
994 layer {
995   name: "conv21_1_relu"
996   type: "ReLU"
997   bottom: "conv21_1"
998   top: "conv21_2"
999 }
1000 convolution_param {
1001   num_output: 256
1002   kernel_size: 3
1003   stride: 1
1004   type: "asymmetric"
1005 }
1006 bias_filler {
1007   type: "constant"
1008   value: 0
1009 }
1010 }
1011 layer {
1012   name: "conv22_1_relu"
1013   type: "ReLU"
1014   bottom: "conv22_1"
1015   top: "conv22_2"
1016 }
1017 convolution_param {
1018   num_output: 256
1019   kernel_size: 3
1020   stride: 1
1021   type: "asymmetric"
1022 }
1023 bias_filler {
1024   type: "constant"
1025   value: 0
1026 }
1027 }
1028 layer {
1029   name: "conv23_1_relu"
1030   type: "ReLU"
1031   bottom: "conv23_1"
1032   top: "conv23_2"
1033 }
1034 convolution_param {
1035   num_output: 256
1036   kernel_size: 3
1037   stride: 1
1038   type: "asymmetric"
1039 }
1040 bias_filler {
1041   type: "constant"
1042   value: 0
1043 }
1044 }
1045 layer {
1046   name: "conv24_1_relu"
1047   type: "ReLU"
1048   bottom: "conv24_1"
1049   top: "conv24_2"
1050 }
1051 convolution_param {
1052   num_output: 256
1053   kernel_size: 3
1054   stride: 1
1055   type: "asymmetric"
1056 }
1057 bias_filler {
1058   type: "constant"
1059   value: 0
1060 }
1061 }
1062 layer {
1063   name: "conv25_1_relu"
1064   type: "ReLU"
1065   bottom: "conv25_1"
1066   top: "conv25_2"
1067 }
1068 convolution_param {
1069   num_output: 256
1070   kernel_size: 3
1071   stride: 1
1072   type: "asymmetric"
1073 }
1074 bias_filler {
1075   type: "constant"
1076   value: 0
1077 }
1078 }
1079 layer {
1080   name: "conv26_1_relu"
1081   type: "ReLU"
1082   bottom: "conv26_1"
1083   top: "conv26_2"
1084 }
1085 convolution_param {
1086   num_output: 256
1087   kernel_size: 3
1088   stride: 1
1089   type: "asymmetric"
1090 }
1091 bias_filler {
1092   type: "constant"
1093   value: 0
1094 }
1095 }
1096 layer {
1097   name: "conv27_1_relu"
1098   type: "ReLU"
1099   bottom: "conv27_1"
1100   top: "conv27_2"
1101 }
1102 convolution_param {
1103   num_output: 256
1104   kernel_size: 3
1105   stride: 1
1106   type: "asymmetric"
1107 }
1108 bias_filler {
1109   type: "constant"
1110   value: 0
1111 }
1112 }
1113 layer {
1114   name: "conv28_1_relu"
1115   type: "ReLU"
1116   bottom: "conv28_1"
1117   top: "conv28_2"
1118 }
1119 convolution_param {
1120   num_output: 256
1121   kernel_size: 3
1122   stride: 1
1123   type: "asymmetric"
1124 }
1125 bias_filler {
1126   type: "constant"
1127   value: 0
1128 }
1129 }
1130 layer {
1131   name: "conv29_1_relu"
1132   type: "ReLU"
1133   bottom: "conv29_1"
1134   top: "conv29_2"
1135 }
1136 convolution_param {
1137   num_output: 256
1138   kernel_size: 3
1139   stride: 1
1140   type: "asymmetric"
1141 }
1142 bias_filler {
1143   type: "constant"
1144   value: 0
1145 }
1146 }
1147 layer {
1148   name: "conv30_1_relu"
1149   type: "ReLU"
1150   bottom: "conv30_1"
1151   top: "conv30_2"
1152 }
1153 convolution_param {
1154   num_output: 256
1155   kernel_size: 3
1156   stride: 1
1157   type: "asymmetric"
1158 }
1159 bias_filler {
1160   type: "constant"
1161   value: 0
1162 }
1163 }
1164 layer {
1165   name: "conv31_1_relu"
1166   type: "ReLU"
1167   bottom: "conv31_1"
1168   top: "conv31_2"
1169 }
1170 convolution_param {
1171   num_output: 256
1172   kernel_size: 3
1173   stride: 1
1174   type: "asymmetric"
1175 }
1176 bias_filler {
1177   type: "constant"
1178   value: 0
1179 }
1180 }
1181 layer {
1182   name: "conv32_1_relu"
1183   type: "ReLU"
1184   bottom: "conv32_1"
1185   top: "conv32_2"
1186 }
1187 convolution_param {
1188   num_output: 256
1189   kernel_size: 3
1190   stride: 1
1191   type: "asymmetric"
1192 }
1193 bias_filler {
1194   type: "constant"
1195   value: 0
1196 }
1197 }
1198 layer {
1199   name: "conv33_1_relu"
1200   type: "ReLU"
1201   bottom: "conv33_1"
1202   top: "conv33_2"
1203 }
1204 convolution_param {
1205   num_output: 256
1206   kernel_size: 3
1207   stride: 1
1208   type: "asymmetric"
1209 }
1210 bias_filler {
1211   type: "constant"
1212   value: 0
1213 }
1214 }
1215 layer {
1216   name: "conv34_1_relu"
1217   type: "ReLU"
1218   bottom: "conv34_1"
1219   top: "conv34_2"
1220 }
1221 convolution_param {
1222   num_output: 256
1223   kernel_size: 3
1224   stride: 1
1225   type: "asymmetric"
1226 }
1227 bias_filler {
1228   type: "constant"
1229   value: 0
1230 }
1231 }
1232 layer {
1233   name: "conv35_1_relu"
1234   type: "ReLU"
1235   bottom: "conv35_1"
1236   top: "conv35_2"
1237 }
1238 convolution_param {
1239   num_output: 256
1240   kernel_size: 3
1241   stride: 1
1242   type: "asymmetric"
1243 }
1244 bias_filler {
1245   type: "constant"
1246   value: 0
1247 }
1248 }
1249 layer {
1250   name: "conv36_1_relu"
1251   type: "ReLU"
1252   bottom: "conv36_1"
1253   top: "conv36_2"
1254 }
1255 convolution_param {
1256   num_output: 256
1257   kernel_size: 3
1258   stride: 1
1259   type: "asymmetric"
1260 }
1261 bias_filler {
1262   type: "constant"
1263   value: 0
1264 }
1265 }
1266 layer {
1267   name: "conv37_1_relu"
1268   type: "ReLU"
1269   bottom: "conv37_1"
1270   top: "conv37_2"
1271 }
1272 convolution_param {
1273   num_output: 256
1274   kernel_size: 3
1275   stride: 1
1276   type: "asymmetric"
1277 }
1278 bias_filler {
1279   type: "constant"
1280   value: 0
1281 }
1282 }
1283 layer {
1284   name: "conv38_1_relu"
1285   type: "ReLU"
1286   bottom: "conv38_1"
1287   top: "conv38_2"
1288 }
1289 convolution_param {
1290   num_output: 256
1291   kernel_size: 3
1292   stride: 1
1293   type: "asymmetric"
1294 }
1295 bias_filler {
1296   type: "constant"
1297   value: 0
1298 }
1299 }
1300 layer {
1301   name: "conv39_1_relu"
1302   type: "ReLU"
1303   bottom: "conv39_1"
1304   top: "conv39_2"
1305 }
1306 convolution_param {
1307   num_output: 256
1308   kernel_size: 3
1309   stride: 1
1310   type: "asymmetric"
1311 }
1312 bias_filler {
1313   type: "constant"
1314   value: 0
1315 }
1316 }
1317 layer {
1318   name: "conv40_1_relu"
1319   type: "ReLU"
1320   bottom: "conv40_1"
1321   top: "conv40_2"
1322 }
1323 convolution_param {
1324   num_output: 256
1325   kernel_size: 3
1326   stride: 1
1327   type: "asymmetric"
1328 }
1329 bias_filler {
1330   type: "constant"
1331   value: 0
1332 }
1333 }
1334 layer {
1335   name: "conv41_1_relu"
1336   type: "ReLU"
1337   bottom: "conv41_1"
1338   top: "conv41_2"
1339 }
1340 convolution_param {
1341   num_output: 256
1342   kernel_size: 3
1343   stride: 1
1344   type: "asymmetric"
1345 }
1346 bias_filler {
1347   type: "constant"
1348   value: 0
1349 }
1350 }
1351 layer {
1352   name: "conv42_1_relu"
1353   type: "ReLU"
1354   bottom: "conv42_1"
1355   top: "conv42_2"
1356 }
1357 convolution_param {
1358   num_output: 256
1359   kernel_size: 3
1360   stride: 1
1361   type: "asymmetric"
1362 }
1363 bias_filler {
1364   type: "constant"
1365   value: 0
1366 }
1367 }
1368 layer {
1369   name: "conv43_1_relu"
1370   type: "ReLU"
1371   bottom: "conv43_1"
1372   top: "conv43_2"
1373 }
1374 convolution_param {
1375   num_output: 256
1376   kernel_size: 3
1377   stride: 1
1378   type: "asymmetric"
1379 }
1380 bias_filler {
1381   type: "constant"
1382   value: 0
1383 }
1384 }
1385 layer {
1386   name: "conv44_1_relu"
1387   type: "ReLU"
1388   bottom: "conv44_1"
1389   top: "conv44_2"
1390 }
1391 convolution_param {
1392   num_output: 256
1393   kernel_size: 3
1394   stride: 1
1395   type: "asymmetric"
1396 }
1397 bias_filler {
1398   type: "constant"
1399   value: 0
1400 }
1401 }
1402 layer {
1403   name: "conv45_1_relu"
1404   type: "ReLU"
1405   bottom: "conv45_1"
1406   top: "conv45_2"
1407 }
1408 convolution_param {
1409   num_output: 256
1410   kernel_size: 3
1411   stride: 1
1412   type: "asymmetric"
1413 }
1414 bias_filler {
1415   type: "constant"
1416   value: 0
1417 }
1418 }
1419 layer {
1420   name: "conv46_1_relu"
1421   type: "ReLU"
1422   bottom: "conv46_1"
1423   top: "conv46_2"
1424 }
1425 convolution_param {
1426   num_output: 256
1427   kernel_size: 3
1428   stride: 1
1429   type: "asymmetric"
1430 }
1431 bias_filler {
1432   type: "constant"
1433   value: 0
1434 }
1435 }
1436 layer {
1437   name: "conv47_1_relu"
1438   type: "ReLU"
1439   bottom: "conv47_1"
1440   top: "conv47_2"
1441 }
1442 convolution_param {
1443   num_output: 256
1444   kernel_size: 3
1445   stride: 1
1446   type: "asymmetric"
1447 }
1448 bias_filler {
1449   type: "constant"
1450   value: 0
1451 }
1452 }
1453 layer {
1454   name: "conv48_1_relu"
1455   type: "ReLU"
1456   bottom: "conv48_1"
1457   top: "conv48_2"
1458 }
1459 convolution_param {
1460   num_output: 256
1461   kernel_size: 3
1462   stride: 1
1463   type: "asymmetric"
1464 }
1465 bias_filler {
1466   type: "constant"
1467   value: 0
1468 }
1469 }
1470 layer {
1471   name: "conv49_1_relu"
1472   type: "ReLU"
1473   bottom: "conv49_1"
1474   top: "conv49_2"
1475 }
1476 convolution_param {
1477   num_output: 256
1478   kernel_size: 3
1479   stride: 1
1480   type: "asymmetric"
1481 }
1482 bias_filler {
1483   type: "constant"
1484   value: 0
1485 }
1486 }
1487 layer {
1488   name: "conv50_1_relu"
1489   type: "ReLU"
1490   bottom: "conv50_1"
1491   top: "conv50_2"
1492 }
1493 convolution_param {
1494   num_output: 256
1495   kernel_size: 3
1496   stride: 1
1497   type: "asymmetric"
1498 }
1499 bias_filler {
1500   type: "constant"
1501   value: 0
1502 }
1503 }
1504 layer {
1505   name: "conv51_1_relu"
1506   type: "ReLU"
1507   bottom: "conv51_1"
1508   top: "conv51_2"
1509 }
1510 convolution_param {
1511   num_output: 256
1512   kernel_size: 3
1513   stride: 1
1514   type: "asymmetric"
1515 }
1516 bias_filler {
1517   type: "constant"
1518   value: 0
1519 }
1520 }
1521 layer {
1522   name: "conv52_1_relu"
1523   type: "ReLU"
1524   bottom: "conv52_1"
1525   top: "conv52_2"
1526 }
1527 convolution_param {
1528   num_output: 256
1529   kernel_size: 3
1530   stride: 1
1531   type: "asymmetric"
1532 }
1533 bias_filler {
1534   type: "constant"
1535   value: 0
1536 }
1537 }
1538 layer {
1539   name: "conv53_1_relu"
1540   type: "ReLU"
1541   bottom: "conv53_1"
1542   top: "conv53_2"
1543 }
1544 convolution_param {
1545   num_output: 256
1546   kernel_size: 3
1547   stride: 1
1548   type: "asymmetric"
1549 }
1550 bias_filler {
1551   type: "constant"
1552   value: 0
1553 }
1554 }
1555 layer {
1556   name: "conv54_1_relu"
1557   type: "ReLU"
1558   bottom: "conv54_1"
1559   top: "conv54_2"
1560 }
1561 convolution_param {
1562   num_output: 256
1563   kernel_size: 3
1564   stride: 1
1565   type: "asymmetric"
1566 }
1567 bias_filler {
1568   type: "constant"
1569   value: 0
1570 }
1571 }
1572 layer {
1573   name: "conv55_1_relu"
1574   type: "ReLU"
1575   bottom: "conv55_1"
1576   top: "conv55_2"
1577 }
1578 convolution_param {
1579   num_output: 256
1580   kernel_size: 3
1581   stride: 1
1582   type: "asymmetric"
1583 }
1584 bias_filler {
1585   type: "constant"
1586   value: 0
1587 }
1588 }
1589 layer {
1590   name: "conv56_1_relu"
1591   type: "ReLU"
1592   bottom: "conv56_1"
1593   top: "conv56_2"
1594 }
1595 convolution_param {
1596   num_output: 256
1597   kernel_size: 3
1598   stride: 1
1599   type: "asymmetric"
1600 }
1601 bias_filler {
1602   type: "constant"
1603   value: 0
1604 }
1605 }
1606 layer {
1607   name: "conv57_1_relu"
1608   type: "ReLU"
1609   bottom: "conv57_1"
1610   top: "conv57_2"
1611 }
1612 convolution_param {
1613   num_output: 256
1614   kernel_size: 3
1615   stride: 1
1616   type: "asymmetric"
1617 }
1618 bias_filler {
1619   type: "constant"
1620   value: 0
1621 }
1622 }
1623 layer {
1624   name: "conv58_1_relu"
1625   type: "ReLU"
1626   bottom: "conv58_1"
1627   top: "conv58_2"
1628 }
1629 convolution_param {
1630   num_output: 256
1631   kernel_size: 3
1632   stride: 1
1633   type: "asymmetric"
1634 }
1635 bias_filler {
1636   type: "constant"
1637   value: 0
1638 }
1639 }
1640 layer {
1641   name: "conv59_1_relu"
1642   type: "ReLU"
1643   bottom: "conv59_1"
1644   top: "conv59_2"
1645 }
1646 convolution_param {
1647   num_output: 256
1648   kernel_size: 3
1649   stride: 1
1650   type: "asymmetric"
1651 }
1652 bias_filler {
1653   type: "constant"
1654   value: 0
1655 }
1656 }
1657 layer {
1658   name: "conv60_1_relu"
1659   type: "ReLU"
1660   bottom: "conv60_1"
1661   top: "conv60_2"
1662 }
1663 convolution_param {
1664   num_output: 256
1665   kernel_size: 3
1666   stride: 1
1667   type: "asymmetric"
1668 }
1669 bias_filler {
1670   type: "constant"
1671   value: 0
1672 }
1673 }
1674 layer {
1675   name: "conv61_1_relu"
1676   type: "ReLU"
1677   bottom: "conv61_1"
1678   top: "conv61_2"
1679 }
1680 convolution_param {
1681   num_output: 256
1682   kernel_size: 3
1683   stride: 1
1684   type: "asymmetric"
1685 }
1686 bias_filler {
1687   type: "constant"
1688   value: 0
1689 }
1690 }
1691 layer {
1692   name: "conv62_1_relu"
1693   type: "ReLU"
1694   bottom: "conv62_1"
1695   top: "conv62_2"
1696 }
1697 convolution_param {
1698   num_output: 256
1699   kernel_size: 3
1700   stride: 1
1701   type: "asymmetric"
1702 }
1703 bias_filler {
1704   type: "constant"
1705   value: 0
1706 }
1707 }
1708 layer {
1709   name: "conv63_1_relu"
1710   type: "ReLU"
1711   bottom: "conv63_1"
1712   top: "conv63_2"
1713 }
1714 convolution_param {
1715   num_output: 256
1716   kernel_size: 3
1717   stride: 1
1718   type: "asymmetric"
1719 }
1720 bias_filler {
1721   type: "constant"
1722   value: 0
1723 }
1724 }
1725 layer {
1726   name: "conv64_1_relu"
1727   type: "ReLU"
1728   bottom: "conv64_1"
1729   top: "conv64_2"
1730 }
1731 convolution_param {
1732   num_output: 256
1733   kernel_size: 3
1734   stride: 1
1735   type: "asymmetric"
1736 }
1737 bias_filler {
1738   type: "constant"
1739   value: 0
1740 }
1741 }
1742 layer {
1743   name: "conv65_1_relu"
1744   type: "ReLU"
1745   bottom: "conv65_1"
1746   top: "conv65_2"
1747 }
1748 convolution_param {
1749   num_output: 256
1750   kernel_size: 3
1751   stride: 1
1752   type: "asymmetric"
1753 }
1754 bias_filler {
1755   type: "constant"
1756   value: 0
1757 }
1758 }
1759 layer {
1760   name: "conv66_1_relu"
1761   type: "ReLU"
1762   bottom: "conv66_1"
1763   top: "conv66_2"
1764 }
1765 convolution_param {
1766   num_output: 256
1767   kernel_size: 3
1768   stride: 1
1769   type: "asymmetric"
1770 }
1771 bias_filler {
1772   type: "constant"
1773   value: 0
1774 }
1775 }
1776 layer {
1777   name: "conv67_1_relu"
1778   type: "ReLU"
1779   bottom: "conv67_1"
1780   top: "conv67_2"
1781 }
1782 convolution_param {
1783   num_output: 256
1784   kernel_size: 3
1785   stride: 1
1786   type: "asymmetric"
1787 }
1788 bias_filler {
1789   type: "constant"
1790   value: 0
1791 }
1792 }
1793 layer {
1794   name: "conv68_1_relu"
1795   type: "ReLU"
1796   bottom: "conv68_1"
1797   top: "conv68_2"
1798 }
1799 convolution_param {
1800   num_output: 256
1801   kernel_size: 3
1802   stride: 1
1803   type: "asymmetric"
1804 }
1805 bias_filler {
1806   type: "constant"
1807   value: 0
1808 }
1809 }
1810 layer {
1811   name: "conv69_1_relu"
1812   type: "ReLU"
1813   bottom: "conv69_1"
1814   top: "conv69_2"
1815 }
1816 convolution_param {
1817   num_output: 256
1818   kernel_size: 3
1819   stride: 1
1820   type: "asymmetric"
1821 }
1822 bias_filler {
1823   type: "constant"
1824   value: 0
1825 }
1826 }
1827 layer {
1828   name: "conv70_1_relu"
1829   type: "ReLU"
1830   bottom: "conv70_1"
1831   top: "conv70_2"
1832 }
1833 convolution_param {
1834   num_output: 256
1835   kernel_size: 3
1836   stride: 1
1837   type: "asymmetric"
1838 }
1839 bias_filler {
1840   type: "constant"
1841   value: 0
1842 }
1843 }
1844 layer {
1845   name: "conv71_1_relu"
1846   type: "ReLU"
1847   bottom: "conv71_1"
1848   top: "conv71_2"
1849 }
1850 convolution_param {
1851   num_output: 256
1852   kernel_size: 3
1853   stride: 1
1854   type: "asymmetric"
1855 }
1856 bias_filler {
1857   type: "constant"
1858   value: 0
1859 }
1860 }
1861 layer {
1862   name: "conv72_1_relu"
1863   type: "ReLU"
1864   bottom: "conv72_1"
1865   top: "conv72_2"
1866 }
1867 convolution_param {
1868   num_output: 256
1869   kernel_size: 3
1870   stride: 1
1871   type: "asymmetric"
1872 }
1873 bias_filler {
1874   type: "constant"
1875   value: 0
1876 }
1877 }
1878 layer {
1879   name: "conv73_1_relu"
1880   type: "ReLU"
1881   bottom: "conv73_1"
1882   top: "conv73_2"
1883 }
1884 convolution_param {
1885   num_output: 256
1886   kernel_size: 3
1887   stride: 1
1888   type: "asymmetric"
1889 }
1890 bias_filler {
1891   type: "constant"
1892   value: 0
1893 }
1894 }
1895 layer {
1896   name: "conv74_1_relu"
1897   type: "ReLU"
1898   bottom: "conv74_1"
1899   top: "conv74_2"
1900 }
1899 convolution_param {
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42	conv7_1_relu	ReLU	128	0x0	128	0x0	max: 0 comp: NaN add: 0 div: 0 exp: 0	activation: NaN perm: 0
43	conv7_2	Convolution	128	0x0	256	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 295148
44	conv7_2_relu	ReLU	256	0x0	256	0x0	max: 0 comp: NaN add: 0 div: 0 exp: 0	activation: NaN perm: 0
45	conv8_1	Convolution	256	0x0	128	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 32896
46	conv8_1_relu	ReLU	128	0x0	128	0x0	max: 0 comp: NaN add: 0 div: 0 exp: 0	activation: NaN perm: 0
47	conv8_2	Convolution	128	0x0	256	0x2	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 295148
48	conv8_2_relu	ReLU	256	0x2	256	0x2	max: 0 comp: NaN add: 0 div: 0 exp: 0	activation: NaN perm: 0
49	conv9_1	Convolution	256	0x2	128	0x2	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 32896
50	conv9_1_relu	ReLU	128	0x2	128	0x2	max: 0 comp: NaN add: 0 div: 0 exp: 0	activation: NaN perm: 0
51	conv9_2	Convolution	128	0x2	256	0x4	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 295148
52	conv9_2_relu	ReLU	256	0x4	256	0x4	max: 0 comp: NaN add: 0 div: 0 exp: 0	activation: NaN perm: 0
53	conv8_3_norm	Normalise	512	0x0	512	0x0	max: NaN comp: 0 add: NaN div: NaN exp: NaN	activation: NaN perm: 2
54	conv8_3_norm_mbox_loc	Convolution	512	0x0	16	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 73744
55	conv8_3_norm_mbox_loc_perm	Permute	16	0x0	0	16x0	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
56	conv8_3_norm_mbox_loc_flat	Flatten	0	16x0	0	1x1	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 0
57	conv8_3_norm_mbox_conf	Convolution	512	0x0	84	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 387156
58	conv8_3_norm_mbox_conf_perm	Permute	84	0x0	0	84x0	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
59	conv8_3_norm_mbox_conf_flat	Flatten	0	84x0	0	1x1	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 0
60	conv8_3_norm_mbox_priorbox	PriorBox	512	0x0	2	128x4	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
61	s7_mbox_loc	Convolution	1024	0x0	24	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 221208
62	s7_mbox_loc_perm	Permute	24	0x0	0	24x0	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
63	s7_mbox_loc_flat	Flatten	0	24x0	0	1x1	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 0
64	s7_mbox_conf	Convolution	1024	0x0	126	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 1191342
65	s7_mbox_conf_perm	Permute	126	0x0	0	126x0	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
66	s7_mbox_conf_flat	Flatten	0	126x0	0	1x1	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 0
67	s7_mbox_priorbox	PriorBox	0	0x0	2	NaNx4	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
68	conv6_2_mbox_loc	Convolution	512	0x0	24	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 110616
69	conv6_2_mbox_loc_perm	Permute	24	0x0	0	24x0	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
70	conv6_2_mbox_loc_flat	Flatten	0	24x0	0	1x1	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 0
71	conv6_2_mbox_conf	Convolution	512	0x0	126	0x0	max: NaN comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 580734
72	conv6_2_mbox_conf_perm	Permute	126	0x0	0	126x0	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: 0 perm: 0
73	conv6_2_mbox_conf_flat	Flatten	0	126x0	0	1x1	max: 0 comp: 0 add: 0 div: 0 exp: 0	activation: NaN perm: 0

```
1386 layer {
1387   name: "conv7_2_relu_conv"
1388   type: "Convolution"
1389   bottom: "conv7_2_relu_conv"
1390   top: "conv7_2_relu_conv"
1391   kernel_size: 3
1392   stride: 1
1393   padding: 1
1394   dilation: 1
1395   groups: 1
1396   use_gpu: 1
1397   conv_algorithm: "auto"
1398   weight_filler {
1399     type: "xavier"
1400   }
1401   bias_filler {
1402     type: "constant"
1403     value: 0
1404   }
1405 }
1406 }
1407 layer {
1408   name: "conv7_2_relu_conv_perm"
1409   type: "Permute"
1410   bottom: "conv7_2_relu_conv"
1411   top: "conv7_2_relu_conv_perm"
1412   perm: 0 1 2 3
1413   order: 0
1414   order: 1
1415 }
1416 }
1417 layer {
1418   name: "conv7_2_relu_conv_flat"
1419   type: "Flatten"
1420   bottom: "conv7_2_relu_conv_perm"
1421   top: "conv7_2_relu_conv_flat"
1422   axis: 0
1423 }
1424 }
1425 layer {
1426   name: "conv7_2_relu_conv"
1427   type: "Convolution"
1428   bottom: "conv7_2_relu_conv"
1429   top: "conv7_2_relu_conv"
1430   kernel_size: 3
1431   stride: 1
1432   padding: 1
1433   dilation: 1
1434   groups: 1
1435   use_gpu: 1
1436   conv_algorithm: "auto"
1437   weight_filler {
1438     type: "xavier"
1439   }
1440   bias_filler {
1441     type: "constant"
1442     value: 0
1443   }
1444 }
1445 }
1446 layer {
1447   name: "conv7_2_relu_conv_perm"
1448   type: "Permute"
1449   bottom: "conv7_2_relu_conv"
1450   top: "conv7_2_relu_conv_perm"
1451   perm: 0 1 2 3
1452   order: 0
1453   order: 1
1454 }
1455 }
1456 layer {
1457   name: "conv7_2_relu_conv_flat"
1458   type: "Flatten"
1459   bottom: "conv7_2_relu_conv_perm"
1460   top: "conv7_2_relu_conv_flat"
1461   axis: 0
1462 }
1463 }
1464 layer {
1465   name: "conv7_2_relu_conv"
1466   type: "Convolution"
1467   bottom: "conv7_2_relu_conv"
1468   top: "conv7_2_relu_conv"
1469   kernel_size: 3
1470   stride: 1
1471   padding: 1
1472   dilation: 1
1473   groups: 1
1474   use_gpu: 1
1475   conv_algorithm: "auto"
1476   weight_filler {
1477     type: "xavier"
1478   }
1479   bias_filler {
1480     type: "constant"
1481     value: 0
1482   }
1483 }
1484 }
1485 layer {
1486   name: "conv7_2_relu_conv_perm"
1487   type: "Permute"
1488   bottom: "conv7_2_relu_conv"
1489   top: "conv7_2_relu_conv_perm"
1490   perm: 0 1 2 3
1491   order: 0
1492   order: 1
1493 }
1494 }
1495 layer {
1496   name: "conv7_2_relu_conv_flat"
1497   type: "Flatten"
1498   bottom: "conv7_2_relu_conv_perm"
1499   top: "conv7_2_relu_conv_flat"
1500   axis: 0
1501 }
1502 }
1503 layer {
1504   name: "conv7_2_relu_conv"
1505   type: "Convolution"
1506   bottom: "conv7_2_relu_conv"
1507   top: "conv7_2_relu_conv"
1508   kernel_size: 3
1509   stride: 1
1510   padding: 1
1511   dilation: 1
1512   groups: 1
1513   use_gpu: 1
1514   conv_algorithm: "auto"
1515   weight_filler {
1516     type: "xavier"
1517   }
1518   bias_filler {
1519     type: "constant"
1520     value: 0
1521   }
1522 }
1523 }
1524 layer {
1525   name: "conv7_2_relu_conv_perm"
1526   type: "Permute"
1527   bottom: "conv7_2_relu_conv"
1528   top: "conv7_2_relu_conv_perm"
1529   perm: 0 1 2 3
1530   order: 0
1531   order: 1
1532 }
1533 }
1534 layer {
1535   name: "conv7_2_relu_conv_flat"
1536   type: "Flatten"
1537   bottom: "conv7_2_relu_conv_perm"
1538   top: "conv7_2_relu_conv_flat"
1539   axis: 0
1540 }
1541 }
1542 layer {
1543   name: "conv7_2_relu_conv"
1544   type: "Convolution"
1545   bottom: "conv7_2_relu_conv"
1546   top: "conv7_2_relu_conv"
1547   kernel_size: 3
1548   stride: 1
1549   padding: 1
1550   dilation: 1
1551   groups: 1
1552   use_gpu: 1
1553   conv_algorithm: "auto"
1554   weight_filler {
1555     type: "xavier"
1556   }
1557   bias_filler {
1558     type: "constant"
1559     value: 0
1560   }
1561 }
1562 }
1563 layer {
1564   name: "conv7_2_relu_conv_perm"
1565   type: "Permute"
1566   bottom: "conv7_2_relu_conv"
1567   top: "conv7_2_relu_conv_perm"
1568   perm: 0 1 2 3
1569   order: 0
1570   order: 1
1571 }
1572 }
1573 layer {
1574   name: "conv7_2_relu_conv_flat"
1575   type: "Flatten"
1576   bottom: "conv7_2_relu_conv_perm"
1577   top: "conv7_2_relu_conv_flat"
1578   axis: 0
1579 }
1580 }
1581 layer {
1582   name: "conv7_2_relu_conv"
1583   type: "Convolution"
1584   bottom: "conv7_2_relu_conv"
1585   top: "conv7_2_relu_conv"
1586   kernel_size: 3
1587   stride: 1
1588   padding: 1
1589   dilation: 1
1590   groups: 1
1591   use_gpu: 1
1592   conv_algorithm: "auto"
1593   weight_filler {
1594     type: "xavier"
1595   }
1596   bias_filler {
1597     type: "constant"
1598     value: 0
1599   }
1600 }
1601 }
1602 layer {
1603   name: "conv7_2_relu_conv_perm"
1604   type: "Permute"
1605   bottom: "conv7_2_relu_conv"
1606   top: "conv7_2_relu_conv_perm"
1607   perm: 0 1 2 3
1608   order: 0
1609   order: 1
1610 }
1611 }
1612 layer {
1613   name: "conv7_2_relu_conv_flat"
1614   type: "Flatten"
1615   bottom: "conv7_2_relu_conv_perm"
1616   top: "conv7_2_relu_conv_flat"
1617   axis: 0
1618 }
1619 }
1620 layer {
1621   name: "conv7_2_relu_conv"
1622   type: "Convolution"
1623   bottom: "conv7_2_relu_conv"
1624   top: "conv7_2_relu_conv"
1625   kernel_size: 3
1626   stride: 1
1627   padding: 1
1628   dilation: 1
1629   groups: 1
1630   use_gpu: 1
1631   conv_algorithm: "auto"
1632   weight_filler {
1633     type: "xavier"
1634   }
1635   bias_filler {
1636     type: "constant"
1637     value: 0
1638   }
1639 }
1640 }
1641 layer {
1642   name: "conv7_2_relu_conv_perm"
1643   type: "Permute"
1644   bottom: "conv7_2_relu_conv"
1645   top: "conv7_2_relu_conv_perm"
1646   perm: 0 1 2 3
1647   order: 0
1648   order: 1
1649 }
1650 }
1651 layer {
1652   name: "conv7_2_relu_conv_flat"
1653   type: "Flatten"
1654   bottom: "conv7_2_relu_conv_perm"
1655   top: "conv7_2_relu_conv_flat"
1656   axis: 0
1657 }
1658 }
1659 layer {
1660   name: "conv7_2_relu_conv"
1661   type: "Convolution"
1662   bottom: "conv7_2_relu_conv"
1663   top: "conv7_2_relu_conv"
1664   kernel_size: 3
1665   stride: 1
1666   padding: 1
1667   dilation: 1
1668   groups: 1
1669   use_gpu: 1
1670   conv_algorithm: "auto"
1671   weight_filler {
1672     type: "xavier"
1673   }
1674   bias_filler {
1675     type: "constant"
1676     value: 0
1677   }
1678 }
1679 }
1680 layer {
1681   name: "conv7_2_relu_conv_perm"
1682   type: "Permute"
1683   bottom: "conv7_2_relu_conv"
1684   top: "conv7_2_relu_conv_perm"
1685   perm: 0 1 2 3
1686   order: 0
1687   order: 1
1688 }
1689 }
1690 layer {
1691   name: "conv7_2_relu_conv_flat"
1692   type: "Flatten"
1693   bottom: "conv7_2_relu_conv_perm"
1694   top: "conv7_2_relu_conv_flat"
1695   axis: 0
1696 }
1697 }
1698 layer {
1699   name: "conv7_2_relu_conv"
1700   type: "Convolution"
1701   bottom: "conv7_2_relu_conv"
1702   top: "conv7_2_relu_conv"
1703   kernel_size: 3
1704   stride: 1
1705   padding: 1
1706   dilation: 1
1707   groups: 1
1708   use_gpu: 1
1709   conv_algorithm: "auto"
1710   weight_filler {
1711     type: "xavier"
1712   }
1713   bias_filler {
1714     type: "constant"
1715     value: 0
1716   }
1717 }
1718 }
1719 layer {
1720   name: "conv7_2_relu_conv_perm"
1721   type: "Permute"
1722   bottom: "conv7_2_relu_conv"
1723   top: "conv7_2_relu_conv_perm"
1724   perm: 0 1 2 3
1725   order: 0
1726   order: 1
1727 }
1728 }
1729 layer {
1730   name: "conv7_2_relu_conv_flat"
1731   type: "Flatten"
1732   bottom: "conv7_2_relu_conv_perm"
1733   top: "conv7_2_relu_conv_flat"
1734   axis: 0
1735 }
1736 }
1737 layer {
1738   name: "conv7_2_relu_conv"
1739   type: "Convolution"
1740   bottom: "conv7_2_relu_conv"
1741   top: "conv7_2_relu_conv"
1742   kernel_size: 3
1743   stride: 1
1744   padding: 1
1745   dilation: 1
1746   groups: 1
1747   use_gpu: 1
1748   conv_algorithm: "auto"
1749   weight_filler {
1750     type: "xavier"
1751   }
1752   bias_filler {
1753     type: "constant"
1754     value: 0
1755   }
1756 }
1757 }
1758 layer {
1759   name: "conv7_2_relu_conv_perm"
1760   type: "Permute"
1761   bottom: "conv7_2_relu_conv"
1762   top: "conv7_2_relu_conv_perm"
1763   perm: 0 1 2 3
1764   order: 0
1765   order: 1
1766 }
1767 }
1768 layer {
1769   name: "conv7_2_relu_conv_flat"
1770   type: "Flatten"
1771   bottom: "conv7_2_relu_conv_perm"
1772   top: "conv7_2_relu_conv_flat"
1773   axis: 0
1774 }
1775 }
1776 layer {
1777   name: "conv7_2_relu_conv"
1778   type: "Convolution"
1779   bottom: "conv7_2_relu_conv"
1780   top: "conv7_2_relu_conv"
1781   kernel_size: 3
1782   stride: 1
1783   padding: 1
1784   dilation: 1
1785   groups: 1
1786   use_gpu: 1
1787   conv_algorithm: "auto"
1788   weight_filler {
1789     type: "xavier"
1790   }
1791   bias_filler {
1792     type: "constant"
1793     value: 0
1794   }
1795 }
1796 }
1797 layer {
1798   name: "conv7_2_relu_conv_perm"
1799   type: "Permute"
1800   bottom: "conv7_2_relu_conv"
1801   top: "conv7_2_relu_conv_perm"
1802   perm: 0 1 2 3
1803   order: 0
1804   order: 1
1805 }
1806 }
1807 layer {
1808   name: "conv7_2_relu_conv_flat"
1809   type: "Flatten"
1810   bottom: "conv7_2_relu_conv_perm"
1811   top: "conv7_2_relu_conv_flat"
1812   axis: 0
1813 }
1814 }
1815 layer {
1816   name: "conv7_2_relu_conv"
1817   type: "Convolution"
1818   bottom: "conv7_2_relu_conv"
1819   top: "conv7_2_relu_conv"
1820   kernel_size: 3
1821   stride: 1
1822   padding: 1
1823   dilation: 1
1824   groups: 1
1825   use_gpu: 1
1826   conv_algorithm: "auto"
1827   weight_filler {
1828     type: "xavier"
1829   }
1830   bias_filler {
1831     type: "constant"
1832     value: 0
1833   }
1834 }
1835 }
1836 layer {
1837   name: "conv7_2_relu_conv_perm"
1838   type: "Permute"
1839   bottom: "conv7_2_relu_conv"
1840   top: "conv7_2_relu_conv_perm"
1841   perm: 0 1 2 3
1842   order: 0
1843   order: 1
1844 }
1845 }
1846 layer {
1847   name: "conv7_2_relu_conv_flat"
1848   type: "Flatten"
1849   bottom: "conv7_2_relu_conv_perm"
1850   top: "conv7_2_relu_conv_flat"
1851   axis: 0
1852 }
1853 }
1854 layer {
1855   name: "conv7_2_relu_conv"
1856   type: "Convolution"
1857   bottom: "conv7_2_relu_conv"
1858   top: "conv7_2_relu_conv"
1859   kernel_size: 3
1860   stride: 1
1861   padding: 1
1862   dilation: 1
1863   groups: 1
1864   use_gpu: 1
1865   conv_algorithm: "auto"
1866   weight_filler {
1867     type: "xavier"
1868   }
1869   bias_filler {
1870     type: "constant"
1871     value: 0
1872   }
1873 }
1874 }
1875 layer {
1876   name: "conv7_2_relu_conv_perm"
1877   type: "Permute"
1878   bottom: "conv7_2_relu_conv"
1879   top: "conv7_2_relu_conv_perm"
1880   perm: 0 1 2 3
1881   order: 0
1882   order: 1
1883 }
1884 }
1885 layer {
1886   name: "conv7_2_relu_conv_flat"
1887   type: "Flatten"
1888   bottom: "conv7_2_relu_conv_perm"
1889   top: "conv7_2_relu_conv_flat"
1890   axis: 0
1891 }
1892 }
1893 layer {
1894   name: "conv7_2_relu_conv"
1895   type: "Convolution"
1896   bottom: "conv7_2_relu_conv"
1897   top: "conv7_2_relu_conv"
1898   kernel_size: 3
1899   stride: 1
1900   padding: 1
1901   dilation: 1
1902   groups: 1
1903   use_gpu: 1
1904   conv_algorithm: "auto"
1905   weight_filler {
1906     type: "xavier"
1907   }
1908   bias_filler {
1909     type: "constant"
1910     value: 0
1911   }
1912 }
1913 }
1914 layer {
1915   name: "conv7_2_relu_conv_perm"
1916   type: "Permute"
1917   bottom: "conv7_2_relu_conv"
1918   top: "conv7_2_relu_conv_perm"
1919   perm: 0 1 2 3
1920   order: 0
1921   order: 1
1922 }
1923 }
1924 layer {
1925   name: "conv7_2_relu_conv_flat"
1926   type: "Flatten"
1927   bottom: "conv7_2_relu_conv_perm"
1928   top: "conv7_2_relu_conv_flat"
1929   axis: 0
1930 }
1931 }
1932 layer {
1933   name: "conv7_2_relu_conv"
1934   type: "Convolution"
1935   bottom: "conv7_2_relu_conv"
1936   top: "conv7_2_relu_conv"
1937   kernel_size: 3
1938   stride: 1
1939   padding: 1
1940   dilation: 1
1941   groups: 1
1942   use_gpu: 1
1943   conv_algorithm: "auto"
1944   weight_filler {
1945     type: "xavier"
1946   }
1947   bias_filler {
1948     type: "constant"
1949     value: 0
1950   }
1951 }
1952 }
1953 layer {
1954   name: "conv7_2_relu_conv_perm"
1955   type: "Permute"
1956   bottom: "conv7_2_relu_conv"
1957   top: "conv7_2_relu_conv_perm"
1958   perm: 0 1 2 3
1959   order: 0
1960   order: 1
1961 }
1962 }
1963 layer {
1964   name: "conv7_2_relu_conv_flat"
1965   type: "Flatten"
1966   bottom: "conv7_2_relu_conv_perm"
1967   top: "conv7_2_relu_conv_flat"
1968   axis: 0
1969 }
1970 }
1971 layer {
1972   name: "conv7_2_relu_conv"
1973   type: "Convolution"
1974   bottom: "conv7_2_relu_conv"
1975   top: "conv7_2_relu_conv"
1976   kernel_size: 3
1977   stride: 1
1978   padding: 1
1979   dilation: 1
1980   groups: 1
1981   use_gpu: 1
1982   conv_algorithm: "auto"
1983   weight_filler {
1984     type: "xavier"
1985   }
1986   bias_filler {
1987     type: "constant"
1988     value: 0
1989   }
1990 }
1991 }
1992 layer {
1993   name: "conv7_2_relu_conv_perm"
1994   type: "Permute"
1995   bottom: "conv7_2_relu_conv"
1996   top: "conv7_2_relu_conv_perm"
1997   perm: 0 1 2 3
1998   order: 0
1999   order: 1
2000 }
2001 }
2002 layer {
2003   name: "conv7_2_relu_conv_flat"
2004   type: "Flatten"
2005   bottom: "conv7_2_relu_conv_perm"
2006   top: "conv7_2_relu_conv_flat"
2007   axis: 0
2008 }
2009 }
2010 layer {
2011   name: "conv7_2_relu_conv"
2012   type: "Convolution"
2013   bottom: "conv7_2_relu_conv"
2014   top: "conv7_2_relu_conv"
2015   kernel_size: 3
2016   stride: 1
2017   padding: 1
2018   dilation: 1
2019   groups: 1
2020   use_gpu: 1
2021   conv_algorithm: "auto"
2022   weight_filler {
2023     type: "xavier"
2024   }
2025   bias_filler {
2026     type: "constant"
2027     value: 0
2028   }
2029 }
2030 }
2031 layer {
2032   name: "conv7_2_relu_conv_perm"
2033   type: "Permute"
2034   bottom: "conv7_2_relu_conv"
2035   top: "conv7_2_relu_conv_perm"
2036   perm: 0 1 2 3
2037   order: 0
2038   order: 1
2039 }
2040 }
2041 layer {
2042   name: "conv7_2_relu_conv_flat"
2043   type: "Flatten"
2044   bottom: "conv7_2_relu_conv_perm"
2045   top: "conv7_2_relu_conv_flat"
2046   axis: 0
2047 }
2048 }
2049 layer {
2050   name: "conv7_2_relu_conv"
2051   type: "Convolution"
2052   bottom: "conv7_2_relu_conv"
2053   top: "conv7_2_relu_conv"
2054   kernel_size: 3
2055   stride: 1
2056   padding: 1
2057   dilation: 1
2058   groups: 1
2059   use_gpu: 1
2060   conv_algorithm: "auto"
2061   weight_filler {
2062     type: "xavier"
2063   }
2064   bias_filler {
2065     type: "constant"
2066     value: 0
2067   }
2068 }
2069 }
2070 layer {
2071   name: "conv7_2_relu_conv_perm"
2072   type: "Permute"
2073   bottom: "conv7_2_relu_conv"
2074   top: "conv7_2_relu_conv_perm"
2075   perm: 0 1 2 3
2076   order: 0
2077   order: 1
2078 }
2079 }
2080 layer {
2081   name: "conv7_2_relu_conv_flat"
2082   type: "Flatten"
2083   bottom: "conv7_2_relu_conv_perm"
2084   top: "conv7_2_relu_conv_flat"
2085   axis: 0
2086 }
2087 }
2088 layer {
2089   name: "conv7_2_relu_conv"
2090   type: "Convolution"
2091   bottom: "conv7_2_relu_conv"
2092   top: "conv7_2_relu_conv"
2093   kernel_size: 3
2094   stride: 1
2095   padding: 1
2096   dilation: 1
2097   groups: 1
2098   use_gpu: 1
2099   conv_algorithm: "auto"
2100   weight_filler {
2101     type: "xavier"
2102   }
2103   bias_filler {
2104     type: "constant"
2105     value: 0
2106   }
2107 }
2108 }
2109 layer {
2110   name: "conv7_2_relu_conv_perm"
2111   type: "Permute"
2112   bottom: "conv7_2_relu_conv"
2113   top: "conv7_2_relu_conv_perm"
2114   perm: 0 1 2 3
2115   order: 0
2116   order: 1
2117 }
2118 }
2119 layer {
2120   name: "conv7_2_relu_conv_flat"
2121   type: "Flatten"
2122   bottom: "conv7_2_relu_conv_perm"
2123   top: "conv7_2_relu_conv_flat"
2124   axis: 0
2125 }
2126 }
2127 layer {
2128   name: "conv7_2_relu_conv"
2129   type: "Convolution"
2130   bottom: "conv7_2_relu_conv"
2131   top: "conv7_2_relu_conv"
2132   kernel_size: 3
2133   stride: 1
2134   padding: 1
2135   dilation: 1
2136   groups: 1
2137   use_gpu: 1
2138   conv_algorithm: "auto"
2139   weight_filler {
2140     type: "xavier"
2141   }
2142   bias_filler {
2143     type: "constant"
2144     value: 0
2145   }
2146 }
2147 }
2148 layer {
2149   name: "conv7_2_relu_conv_perm"
2150   type: "Permute"
2151   bottom: "conv7_2_relu_conv"
2152   top: "conv7_2_relu_conv_perm"
2153   perm: 0 1 2 3
2154   order: 0
2155   order: 1
2156 }
2157 }
2158 layer {
2159   name: "conv7_2_relu_conv_flat"
2160   type: "Flatten"
2161   bottom: "conv7_2_relu_conv_perm"
2162   top: "conv7_2_relu_conv_flat"
2163   axis: 0
2164 }
2165 }
2166 layer {
2167   name: "conv7_2_relu_conv"
2168   type: "Convolution"
2169   bottom: "conv7_2_relu_conv"
2170   top: "conv7_2_relu_conv"
2171   kernel_size: 3
2172   stride: 1
2173   padding: 1
2174   dilation: 1
2175   groups: 1
2176   use_gpu: 1
2177   conv_algorithm: "auto"
2178   weight_filler {
2179     type: "xavier"
2180   }
2181   bias_filler {
2182     type: "constant"
2183     value: 0
2184   }
2185 }
2186 }
2187 layer {
2188   name: "conv7_2_relu_conv_perm"
2189   type: "Permute"
2190   bottom: "conv7_2_relu_conv"
2191   top: "conv7_2_relu_conv_perm"
2192   perm: 0 1 2 3
2193   order: 0
2194   order: 1
2195 }
2196 }
2197 layer {
2198   name: "conv7_2_relu_conv_flat"
2199   type: "Flatten"
2200   bottom: "conv7_2_relu_conv_perm"
2201   top: "conv7_2_relu_conv_flat"
2202   axis: 0
2203 }
2204 }
2205 layer {
2206   name: "conv7_2_relu_conv"
2207   type: "Convolution"
2208   bottom: "conv7_2_relu_conv"
2209   top: "conv7_2_relu_conv"
2210   kernel_size: 3
2211   stride: 1
2212   padding: 1
2213   dilation: 1
2214   groups: 1
2215   use_gpu: 1
2216   conv_algorithm: "auto"
2217   weight_filler {
2218     type: "xavier"
2219   }
2220   bias_filler {
2221     type: "constant"
2222     value: 0
2223   }
2224 }
2225 }
2226 layer {
2227   name: "conv7_2_relu_conv_perm"
2228   type: "Permute"
2229   bottom: "conv7_2_relu_conv"
2230   top: "conv7_2_relu_conv_perm"
2231   perm: 0 1 2 3
2232   order: 0
2233   order: 1
2234 }
2235 }
2236 layer {
2237   name: "conv7_2_relu_conv_flat"
2238   type: "Flatten"
2239   bottom: "conv7_2_relu_conv_perm"
2240   top: "conv7_2_relu_conv_flat"
2241   axis: 0
2242 }
2243 }
2244 layer {
2245   name: "conv7_2_relu_conv"
2246   type: "Convolution"
2247   bottom: "conv7_2_relu_conv"
2248   top: "conv7_2_relu_conv"
2249   kernel_size: 3
2250   stride: 1
2251   padding: 1
2252   dilation: 1
2253   groups: 1
2254   use_gpu: 1
2255   conv_algorithm: "auto"
2256   weight_filler {
2257     type: "xavier"
2258   }
2259   bias_filler {
2260     type: "constant"
2261     value: 0
2262   }
2263 }
2264 }
2265 layer {
2266   name: "conv7_2_relu_conv_perm"
2267   type: "Permute"
2268   bottom: "conv7_2_relu_conv"
2269   top: "conv7_2_relu_conv_perm"
2270   perm: 0 1 2 3
2271   order: 0
2272   order: 1
2273 }
2274 }
2275 layer {
2276   name: "conv7_2_relu_conv_flat"
2277   type: "Flatten"
2278   bottom: "conv7_2_relu_conv_perm"
2279   top: "conv7_2_relu_conv_flat"
2280   axis: 0
2281 }
2282 }
2283 layer {
2284   name: "conv7_2_relu_conv"
2285   type: "Convolution"
2286   bottom: "conv7_2_relu_conv"
2287   top: "conv7_2_relu_conv"
2288   kernel_size: 3
2289   stride: 1
2290   padding: 1
2291   dilation: 1
2292   groups: 1
2293   use_gpu: 1
2294   conv_algorithm: "auto"
2295   weight_filler {
2296     type: "xavier"
2297   }
2298   bias_filler {
2299     type: "constant"
2300     value: 0
2301   }
2302 }
2303 }
2304 layer {
2305   name: "conv7_2_relu_conv_perm"
2306   type: "Permute"
2307   bottom: "conv7_2_relu_conv"
2308   top: "conv7_2_relu_conv_perm"
2309   perm: 0 1 2 3
2310   order: 0
2311   order: 1
2312 }
2313 }
2314 layer {
2315   name: "conv7_2_relu_conv_flat"
2316   type: "Flatten"
2317   bottom: "conv7_2_relu_conv_perm"
2318   top: "conv7_2_relu_conv_flat"
2319   axis: 0
2320 }
2321 }
2322 layer {
2323   name: "conv7_2_relu_conv"
2324   type: "Convolution"
2325   bottom: "conv7_2_relu_conv"
2326   top: "conv7_2_relu_conv"
2327   kernel_size: 3
2328   stride: 1
2329   padding: 1
2330   dilation: 1
2331   groups: 1
2332   use_gpu: 1
2333   conv_algorithm: "auto"
2334   weight_filler {
2335     type: "xavier"
2336   }
2337   bias_filler {
2338     type: "constant"
2339     value: 0
2340   }
2341 }
2342 }
2343 layer {
2344   name: "conv7_2_relu_conv_perm"
2345   type: "Permute"
2346   bottom: "conv7_2_relu_conv"
2347   top: "conv7_2_relu_conv_perm"
2348   perm: 0 1 2 3
2349   order: 0
2350   order: 1
2351 }
2352 }
2353 layer {
2354   name: "conv7_2_relu_conv_flat"
2355   type: "Flatten"
2356   bottom: "conv7_2_relu_conv_perm"
2357   top: "conv7_2_relu_conv_flat"
2358   axis: 0
2359 }
2360 }
2361 layer {
2362   name: "conv7_2_relu_conv"
2363   type: "Convolution"
2364   bottom: "conv7_2_relu_conv"
2365   top: "conv7_2_relu_conv"
2366   kernel_size: 3
2367   stride: 1
2368   padding: 1
2369   dilation: 1
2370   groups: 1
2371   use_gpu: 1
2372   conv_algorithm: "auto"
2373   weight_filler {
2374     type: "xavier"
2375   }
2376   bias_filler {
2377     type: "constant"
2378     value: 0
2379   }
2380 }
2381 }
2382 layer {
2383   name: "conv7_2_relu_conv_perm"
2384   type: "Permute"
2385   bottom: "conv7_2_relu_conv"
2386   top: "conv7_2_relu_conv_perm"
2387   perm: 0 1 2 3
2388   order: 0
2389   order: 1
2390 }
2391 }
2392 layer {
2393   name: "conv7_2_relu_conv_flat"
2394   type: "Flatten"
2395   bottom: "conv7_2_relu_conv_perm"
2396   top: "conv7_2_relu_conv_flat"
2397   axis: 0
2398 }
2399 }
2400 layer {
2401   name: "conv7_2_relu_conv"
2402   type: "Convolution"
2403   bottom: "conv7_2_relu_conv"
2404   top: "conv7_2_relu_conv"
2405   kernel_size: 3
2406   stride: 1
2407   padding: 1
2408   dilation: 1
2409   groups: 1
2410   use_gpu: 1
2411   conv_algorithm: "auto"
2412   weight_filler {
2413     type: "xavier"
2414   }
2415   bias_filler {
2416     type: "constant"
2417     value: 0
2418   }
2419 }
2420 }
2421 layer {
2422   name: "conv7_2_relu_conv_perm"
2423   type: "Permute"
2424   bottom: "conv7_2_relu_conv"
2425   top: "conv7_2_relu_conv_perm"
2426   perm: 0 1 2 3
2427   order: 0
2428   order: 1
2429 }
2430 }
2431 layer {
2432   name: "conv7_2_relu_conv_flat"
2433   type: "Flatten"
2434   bottom: "conv7_2_relu_conv_perm"
2435   top: "conv7_2_relu_conv_flat"
2436   axis: 0
2437 }
2438 }
2439 layer {
2440   name: "conv7_2_relu_conv"
2441   type: "Convolution"
2442   bottom: "conv7_2_relu_conv"
2443   top: "conv7_2_relu_conv"
2444   kernel_size: 3
2445   stride: 1
2446   padding: 1
2447   dilation: 1
2448   groups: 1
2449   use_gpu: 1
2450   conv_algorithm: "auto"
2451   weight_filler {
2452     type: "xavier"
2453   }
2454   bias_filler {
2455     type: "constant"
2456     value: 0
2457   }
2458 }
2459 }
2460 layer {
2461   name: "conv7_2_relu_conv_perm"
2462   type: "Permute"
2463   bottom: "conv7_2_relu_conv"
2464   top: "conv7_2_relu_conv_perm"
2465   perm: 0 1 2 3
2466   order: 0
2467   order: 1
2468 }
2469 }
2470 layer {
2471   name: "conv7_2_relu_conv_flat"
2472   type: "Flatten"
2473   bottom: "conv7_2_relu_conv_perm"
2474   top: "conv7_2_relu_conv_flat"
2475   axis: 0
2476 }
2477 }
2478 layer {
2479   name: "conv7_2_relu_conv"
2480   type: "Convolution"
2481   bottom: "conv7_2_relu_conv"
2482   top: "conv7_2_relu_conv"
2483   kernel_size: 3
2484   stride: 1
2485   padding: 1
2486   dilation: 1
2487   groups: 1
2488   use_gpu: 1
2489   conv_algorithm: "auto"
2490   weight_filler {
2491     type: "xavier"
2492   }
2493   bias_filler {
2494     type: "constant"
2495     value: 0
2496   }
2497 }
2498 }
2499 layer {
2500   name: "conv7_2_relu_conv_perm"
250
```

