**BLEU SCORES FOR RESNEXT101 USING BEAM SEARCH SIZE =5**

|  |  |  |
| --- | --- | --- |
| **512** | **1024** | **2048** |
| ---------- model-ep001-loss2.8030-val\_loss2.4452.h5  BLEU-1 0.49140321977072143  BLEU-2 0.252140966694487  BLEU-3 0.12992347314138525  BLEU-4 0.09113732162740804  ---------- model-ep002-loss2.2268-val\_loss2.1287.h5  BLEU-1 0.4165034440941754  BLEU-2 0.23587303541879198  BLEU-3 0.11955871758193685  BLEU-4 0.07227951200891829  ---------- model-ep003-loss2.0139-val\_loss2.0048.h5  BLEU-1 0.5252826020122224  BLEU-2 0.30975727712606815  BLEU-3 0.16336040536736537  BLEU-4 0.09908085810920764  ---------- model-ep004-loss1.9057-val\_loss1.9399.h5  BLEU-1 0.5057396200733065  BLEU-2 0.29996761259142396  BLEU-3 0.16436881365156158  BLEU-4 0.1017286832190905  ---------- model-ep005-loss1.8427-val\_loss1.9013.h5  BLEU-1 0.5290066091684056  BLEU-2 0.32052556543886146  BLEU-3 0.18118528942781165  BLEU-4 0.11492934270336716  ---------- model-ep006-loss1.7986-val\_loss1.8799.h5  BLEU-1 0.5231638216156034  BLEU-2 0.32405717980158577  BLEU-3 0.18906377610185712  BLEU-4 0.12214895410693102  ---------- model-ep007-loss1.7648-val\_loss1.8548.h5  BLEU-1 0.5186569946757169  BLEU-2 0.3232610981059453  BLEU-3 0.19319154238579103  BLEU-4 0.12475521717129275  ---------- model-ep008-loss1.7372-val\_loss1.8236.h5  BLEU-1 0.5340674339435039  BLEU-2 0.3373416367831559  BLEU-3 0.2051539463809614  BLEU-4 0.13235221218883153  ---------- model-ep009-loss1.7146-val\_loss1.8275.h5  BLEU-1 0.5385006303409268  BLEU-2 0.3420595553509887  BLEU-3 0.20872675915942068  BLEU-4 0.13445333238167895  ---------- model-ep010-loss1.6953-val\_loss1.8041.h5  BLEU-1 0.5517931347703341  BLEU-2 0.3586741745850875  BLEU-3 0.2240063612258819  BLEU-4 0.14606199243702558  ---------- model-ep011-loss1.6784-val\_loss1.7936.h5  BLEU-1 0.5609253581373664  BLEU-2 0.36312353189782054  BLEU-3 0.22800568514604322  BLEU-4 0.15041583461639202  ---------- model-ep012-loss1.6643-val\_loss1.7938.h5  BLEU-1 0.5657861646807815  BLEU-2 0.3699258520680803  BLEU-3 0.23503910746046475  BLEU-4 0.15553223023284285  ---------- model-ep013-loss1.6510-val\_loss1.7822.h5  BLEU-1 0.5636495011435659  BLEU-2 0.3700244920558223  BLEU-3 0.23555719645624643  BLEU-4 0.15495778712014333  ---------- model-ep014-loss1.6396-val\_loss1.7726.h5  BLEU-1 0.5660662114285753  BLEU-2 0.3734714977687813  BLEU-3 0.23620291367345378  BLEU-4 0.15633920717526822  ---------- model-ep015-loss1.6298-val\_loss1.7618.h5  BLEU-1 0.5674116998567058  BLEU-2 0.3764628962388731  BLEU-3 0.23797708246989327  BLEU-4 0.15775678886497133  ---------- model-ep016-loss1.6206-val\_loss1.7643.h5  BLEU-1 0.5757471265003714  BLEU-2 0.38273277132647743  BLEU-3 0.24416691881565533  BLEU-4 0.16249392632654508  ---------- model-ep017-loss1.6116-val\_loss1.7507.h5  BLEU-1 0.5752250435176619  BLEU-2 0.3838107162493044  BLEU-3 0.2466013318083737  BLEU-4 0.1645370131895759  ---------- model-ep018-loss1.6043-val\_loss1.7533.h5  BLEU-1 0.5765960328374835  BLEU-2 0.3841752854802067  BLEU-3 0.24606742434499965  BLEU-4 0.1630641000765865  ---------- model-ep019-loss1.5975-val\_loss1.7558.h5  BLEU-1 0.5747734174923578  BLEU-2 0.38479846956838226  BLEU-3 0.24762080742558826  BLEU-4 0.1649393123322371  ---------- model-ep020-loss1.5915-val\_loss1.7505.h5  BLEU-1 0.5771176126988076  BLEU-2 0.38558980486671385  BLEU-3 0.24871995225805682  BLEU-4 0.1634795190355296  ---------- model-ep021-loss1.5861-val\_loss1.7376.h5  BLEU-1 0.583998459040402  BLEU-2 0.38863170695029814  BLEU-3 0.2515885660784645  BLEU-4 0.16661397658855207  ---------- model-ep022-loss1.5807-val\_loss1.7431.h5  BLEU-1 0.5830672429968475  BLEU-2 0.39142775072800484  BLEU-3 0.2556417564994458  BLEU-4 0.17107106725317325  ---------- model-ep023-loss1.5759-val\_loss1.7385.h5  BLEU-1 0.5749444880245164  BLEU-2 0.38427442108554866  BLEU-3 0.24756563687209807  BLEU-4 0.16469482824513432  ---------- model-ep024-loss1.5712-val\_loss1.7286.h5  BLEU-1 0.5832169270659922  BLEU-2 0.3886443834988959  BLEU-3 0.2513291845489946  BLEU-4 0.16892764866239837  ---------- model-ep025-loss1.5659-val\_loss1.7413.h5  BLEU-1 0.5851715644102935  BLEU-2 0.39271967126544566  BLEU-3 0.2562918980020262  BLEU-4 0.17139777445114296  ---------- model-ep026-loss1.5622-val\_loss1.7377.h5  BLEU-1 0.5894529371337276  BLEU-2 0.3967665796428974  BLEU-3 0.2586179207358438  BLEU-4 0.1741090329974138  ---------- model-ep027-loss1.5585-val\_loss1.7414.h5  BLEU-1 0.5891580017004543  BLEU-2 0.397461162829532  BLEU-3 0.25958154140422174  BLEU-4 0.17505036135081514  ---------- model-ep028-loss1.5539-val\_loss1.7522.h5  BLEU-1 0.5897691419422268  BLEU-2 0.395441166510015  BLEU-3 0.25413302860763487  BLEU-4 0.170492707984844  ---------- model-ep029-loss1.5509-val\_loss1.7422.h5  BLEU-1 0.5831556512410625  BLEU-2 0.39322887201803425  BLEU-3 0.25183636287743183  BLEU-4 0.16901697156578774  ---------- model-ep030-loss1.5475-val\_loss1.7431.h5  BLEU-1 0.5855786965962584  BLEU-2 0.39222726831269156  BLEU-3 0.2535967668482926  BLEU-4 0.1676839194306858 | ---------- model-ep001-loss2.6633-val\_loss2.2298.h5  BLEU-1 0.3450323640473815  BLEU-2 0.20001816371376657  BLEU-3 0.10589430954205065  BLEU-4 0.06410213007420032  ---------- model-ep002-loss2.0550-val\_loss2.0026.h5  BLEU-1 0.5200888758851506  BLEU-2 0.30893026007178126  BLEU-3 0.17353654204384442  BLEU-4 0.10945804596023333  ---------- model-ep003-loss1.8817-val\_loss1.9130.h5  BLEU-1 0.5340539096745271  BLEU-2 0.33074523198597283  BLEU-3 0.1986835136249776  BLEU-4 0.13025970275007714  ---------- model-ep004-loss1.7847-val\_loss1.8580.h5  BLEU-1 0.5403538825422015  BLEU-2 0.3456943611714586  BLEU-3 0.21379818965533592  BLEU-4 0.14022682428476207  ---------- model-ep005-loss1.7220-val\_loss1.8176.h5  BLEU-1 0.5546774621264802  BLEU-2 0.36321949792824976  BLEU-3 0.22651899105654183  BLEU-4 0.14879571871268604  ---------- model-ep006-loss1.6798-val\_loss1.8093.h5  BLEU-1 0.5635974016584373  BLEU-2 0.37348225963248793  BLEU-3 0.2391213899214532  BLEU-4 0.1571765625861076  ---------- model-ep007-loss1.6488-val\_loss1.7881.h5  BLEU-1 0.5781649892928394  BLEU-2 0.3872163610237345  BLEU-3 0.2471330172008763  BLEU-4 0.16391181273427483  ---------- model-ep008-loss1.6259-val\_loss1.7736.h5  BLEU-1 0.5744645958666424  BLEU-2 0.3865607148082367  BLEU-3 0.2527944637781493  BLEU-4 0.16911966641341147  ---------- model-ep009-loss1.6073-val\_loss1.7728.h5  BLEU-1 0.5813155848815413  BLEU-2 0.3917933237983823  BLEU-3 0.2509672100758756  BLEU-4 0.16854380462902374  ---------- model-ep010-loss1.5932-val\_loss1.7923.h5  BLEU-1 0.5815637144055108  BLEU-2 0.3944758624817964  BLEU-3 0.2578913241305817  BLEU-4 0.17459666179720187  ---------- model-ep011-loss1.5808-val\_loss1.7512.h5  BLEU-1 0.586079580459299  BLEU-2 0.39482370483485274  BLEU-3 0.2539457894870202  BLEU-4 0.16928937221460424  ---------- model-ep012-loss1.5682-val\_loss1.7543.h5  BLEU-1 0.5815294689685061  BLEU-2 0.3943702345577684  BLEU-3 0.25457142493262286  BLEU-4 0.1670767997990876  ---------- model-ep013-loss1.5599-val\_loss1.7559.h5  BLEU-1 0.5826605673235764  BLEU-2 0.39109329931209647  BLEU-3 0.25025718010372827  BLEU-4 0.16543510037968182  ---------- model-ep014-loss1.5515-val\_loss1.7504.h5  BLEU-1 0.5841118372882671  BLEU-2 0.39430755474800583  BLEU-3 0.25786588876185956  BLEU-4 0.17194668422086073  ---------- model-ep015-loss1.5436-val\_loss1.7547.h5  BLEU-1 0.5826487370219633  BLEU-2 0.3926852926729147  BLEU-3 0.25516988017174175  BLEU-4 0.16927865157583766  ---------- model-ep016-loss1.5349-val\_loss1.7418.h5  BLEU-1 0.5831664882688504  BLEU-2 0.3907680856476377  BLEU-3 0.2540103270786261  BLEU-4 0.16863260655131745  ---------- model-ep017-loss1.5281-val\_loss1.7652.h5  BLEU-1 0.584028441034968  BLEU-2 0.39376123591421597  BLEU-3 0.25603522427017056  BLEU-4 0.17047741950403614  ---------- model-ep018-loss1.5214-val\_loss1.7635.h5  BLEU-1 0.585025796735918  BLEU-2 0.3937138710346461  BLEU-3 0.25741891407801587  BLEU-4 0.17255313453803267  ---------- model-ep019-loss1.5149-val\_loss1.7433.h5  BLEU-1 0.5887195976451804  BLEU-2 0.394788447762927  BLEU-3 0.25951980539016545  BLEU-4 0.17314271802780187  ---------- model-ep020-loss1.5087-val\_loss1.7528.h5  BLEU-1 0.5830394976838659  BLEU-2 0.3950678505310185  BLEU-3 0.25898645072177373  BLEU-4 0.17301989385959893  ---------- model-ep021-loss1.5016-val\_loss1.7641.h5  BLEU-1 0.5851578217803957  BLEU-2 0.3915510702945257  BLEU-3 0.25215185366368276  BLEU-4 0.16589209031243404  ---------- model-ep022-loss1.4975-val\_loss1.7721.h5  BLEU-1 0.5837455337004538  BLEU-2 0.39158831974257613  BLEU-3 0.25539348254509103  BLEU-4 0.16916908482554935  ---------- model-ep023-loss1.4923-val\_loss1.7759.h5  BLEU-1 0.5899450581614316  BLEU-2 0.39675758161285785  BLEU-3 0.2584538775317822  BLEU-4 0.17146865922720322  ---------- model-ep024-loss1.4853-val\_loss1.7868.h5  BLEU-1 0.5868150987702445  BLEU-2 0.3914863164907117  BLEU-3 0.2524491871134361  BLEU-4 0.1687147477373148  ---------- model-ep025-loss1.4803-val\_loss1.7628.h5  BLEU-1 0.5832187038921015  BLEU-2 0.3905129699198201  BLEU-3 0.25345064362706216  BLEU-4 0.16759778278907572  ---------- model-ep026-loss1.4756-val\_loss1.7687.h5  BLEU-1 0.5865388031644609  BLEU-2 0.3901716229534594  BLEU-3 0.2542603028578518  BLEU-4 0.171388385138253  ---------- model-ep027-loss1.4696-val\_loss1.7640.h5  BLEU-1 0.5850088773619138  BLEU-2 0.3938070368809015  BLEU-3 0.25336498140868413  BLEU-4 0.1682400052950959  ---------- model-ep028-loss1.4652-val\_loss1.7771.h5  BLEU-1 0.5836142970357383  BLEU-2 0.39463917282901  BLEU-3 0.2580620360759821  BLEU-4 0.17186249506830584  ---------- model-ep029-loss1.4614-val\_loss1.7967.h5  BLEU-1 0.5831476966315948  BLEU-2 0.38924897098784156  BLEU-3 0.2554540657794517  BLEU-4 0.17013349069054381  ---------- model-ep030-loss1.4567-val\_loss1.7823.h5  BLEU-1 0.5859299429100097  BLEU-2 0.3941609948451191  BLEU-3 0.25627863660712635  BLEU-4 0.16857130197400783 | ---------- model-ep001-loss2.5765-val\_loss2.1466.h5  BLEU-1 0.5483175965930832  BLEU-2 0.323872804831954  BLEU-3 0.17573722184969587  BLEU-4 0.10761429145136418  ---------- model-ep002-loss1.9600-val\_loss1.9321.h5  BLEU-1 0.5604938614419185  BLEU-2 0.35539952525281365  BLEU-3 0.21468032402020742  BLEU-4 0.13865232084340073  ---------- model-ep003-loss1.7877-val\_loss1.8505.h5  BLEU-1 0.5690419861464439  BLEU-2 0.37330731993105437  BLEU-3 0.23157260477403496  BLEU-4 0.14824974291168133  ---------- model-ep004-loss1.6957-val\_loss1.8168.h5  BLEU-1 0.5805871476943505  BLEU-2 0.3872541100277515  BLEU-3 0.24775456494316983  BLEU-4 0.1618466345806782  ---------- model-ep005-loss1.6396-val\_loss1.7887.h5  BLEU-1 0.5704879719230364  BLEU-2 0.3793003694417516  BLEU-3 0.24360227709489066  BLEU-4 0.1595391098952578  ---------- model-ep006-loss1.6011-val\_loss1.7804.h5  BLEU-1 0.5758235607079871  BLEU-2 0.38208524102125907  BLEU-3 0.2458488590775519  BLEU-4 0.16143431360313037  ---------- model-ep007-loss1.5721-val\_loss1.7763.h5  BLEU-1 0.5752516274686915  BLEU-2 0.3812904093886348  BLEU-3 0.24422362999302016  BLEU-4 0.16270890532829493  ---------- model-ep008-loss1.5480-val\_loss1.7665.h5  BLEU-1 0.5848432905133344  BLEU-2 0.3951188810784812  BLEU-3 0.2608270138790595  BLEU-4 0.17450631576161743  ---------- model-ep009-loss1.5279-val\_loss1.7749.h5  BLEU-1 0.5810142164033195  BLEU-2 0.38991585916889404  BLEU-3 0.2527545613205219  BLEU-4 0.16726659896803506  ---------- model-ep010-loss1.5102-val\_loss1.7767.h5  BLEU-1 0.5869030154620285  BLEU-2 0.3943898818702586  BLEU-3 0.2570836775772558  BLEU-4 0.17072359647303176  ---------- model-ep011-loss1.4929-val\_loss1.7888.h5  BLEU-1 0.582112747159838  BLEU-2 0.3889034900539342  BLEU-3 0.2528935912734156  BLEU-4 0.16782861916609995  ---------- model-ep012-loss1.4791-val\_loss1.7950.h5  BLEU-1 0.5885260407752924  BLEU-2 0.3979466433084617  BLEU-3 0.2604468087881157  BLEU-4 0.17206840596466572  ---------- model-ep013-loss1.4638-val\_loss1.8162.h5  BLEU-1 0.5754030842430258  BLEU-2 0.3841340176444776  BLEU-3 0.24729668298147803  BLEU-4 0.1650452232417432  ---------- model-ep014-loss1.4523-val\_loss1.8161.h5  BLEU-1 0.5779318782311778  BLEU-2 0.38669515574820607  BLEU-3 0.25316817532243663  BLEU-4 0.16942807141161778  ---------- model-ep015-loss1.4383-val\_loss1.8229.h5  BLEU-1 0.5693237844546237  BLEU-2 0.3779421149134193  BLEU-3 0.24535379672885307  BLEU-4 0.16157424703961346  ---------- model-ep016-loss1.4253-val\_loss1.8557.h5  BLEU-1 0.5727461130335363  BLEU-2 0.37615297363382544  BLEU-3 0.24008977565937437  BLEU-4 0.15711546750172675  ---------- model-ep017-loss1.4125-val\_loss1.8503.h5  BLEU-1 0.5699812142700728  BLEU-2 0.3796770747857727  BLEU-3 0.2455674437141738  BLEU-4 0.1602328636474092  ---------- model-ep018-loss1.3993-val\_loss1.8877.h5  BLEU-1 0.5756550138376664  BLEU-2 0.3816457546428609  BLEU-3 0.24446547814692096  BLEU-4 0.16003979377319938  ---------- model-ep019-loss1.3887-val\_loss1.9021.h5  BLEU-1 0.5772300784914709  BLEU-2 0.3825553508082166  BLEU-3 0.2418533942038769  BLEU-4 0.1597842827568087  ---------- model-ep020-loss1.3788-val\_loss1.8916.h5  BLEU-1 0.5634698151252684  BLEU-2 0.37256743411682824  BLEU-3 0.23889993522621356  BLEU-4 0.15727301970102792  ---------- model-ep021-loss1.3678-val\_loss1.9248.h5  BLEU-1 0.5582745766152866  BLEU-2 0.36177613859616553  BLEU-3 0.22968856598337795  BLEU-4 0.1490742402265928  ---------- model-ep022-loss1.3579-val\_loss1.9362.h5  BLEU-1 0.5573985732816621  BLEU-2 0.36432963668541357  BLEU-3 0.22851848760927818  BLEU-4 0.14634824036195837  ---------- model-ep023-loss1.3462-val\_loss1.9464.h5  BLEU-1 0.5605557857881878  BLEU-2 0.36763376417753696  BLEU-3 0.233301620709786  BLEU-4 0.15196650537186868  ---------- model-ep024-loss1.3331-val\_loss1.9795.h5  BLEU-1 0.5590776082818809  BLEU-2 0.3662492376460435  BLEU-3 0.2321665889524882  BLEU-4 0.1517886041915714  ---------- model-ep025-loss1.3231-val\_loss1.9821.h5  BLEU-1 0.563333448708963  BLEU-2 0.37289414100730855  BLEU-3 0.2418853229964787  BLEU-4 0.159151444204286  ---------- model-ep026-loss1.3134-val\_loss2.0014.h5  BLEU-1 0.5593001653423505  BLEU-2 0.36017511717329775  BLEU-3 0.23002024846086983  BLEU-4 0.1482785960849402  ---------- model-ep027-loss1.3040-val\_loss1.9896.h5  BLEU-1 0.5690286111076471  BLEU-2 0.3715033412349162  BLEU-3 0.23469467770542973  BLEU-4 0.1503671226037235  ---------- model-ep028-loss1.2969-val\_loss2.0164.h5  BLEU-1 0.5576702628056959  BLEU-2 0.3578751584752386  BLEU-3 0.22339193172459948  BLEU-4 0.1433276185020598  ---------- model-ep029-loss1.2909-val\_loss2.0207.h5  BLEU-1 0.5548034277516988  BLEU-2 0.360821197343959  BLEU-3 0.22923649722570985  BLEU-4 0.1493267577419944  ---------- model-ep030-loss1.2796-val\_loss2.0207.h5  BLEU-1 0.5481949582033676  BLEU-2 0.3567822583324348  BLEU-3 0.22475935491855933  BLEU-4 0.1470818677813233 |