



| \                  | df <sub>1</sub> =1 | 2       | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 10       | 12       | 15       | 20       | 24       | 30       | 40       | 60       | 120      | ∞        |
|--------------------|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| df <sub>2</sub> =1 | 39.86346           | 49.5    | 53.59324 | 55.83296 | 57.24008 | 58.20442 | 58.90595 | 59.43898 | 59.85759 | 60.19498 | 60.70521 | 61.22034 | 61.74029 | 62.00205 | 62.26497 | 62.52905 | 62.79428 | 63.06064 | 63.32812 |
| 2                  | 8.52632            | 9       | 9.16179  | 9.24342  | 9.29263  | 9.32553  | 9.34908  | 9.36677  | 9.38054  | 9.39157  | 9.40813  | 9.42471  | 9.44131  | 9.44962  | 9.45793  | 9.46624  | 9.47456  | 9.48289  | 9.49122  |
| 3                  | 5.53832            | 5.46238 | 5.39077  | 5.34264  | 5.30916  | 5.28473  | 5.26619  | 5.25167  | 5.24     | 5.23041  | 5.21562  | 5.20031  | 5.18448  | 5.17636  | 5.16811  | 5.15972  | 5.15119  | 5.14251  | 5.1337   |
| 4                  | 4.54477            | 4.32456 | 4.19086  | 4.10725  | 4.05058  | 4.00975  | 3.97897  | 3.95494  | 3.93567  | 3.91988  | 3.89553  | 3.87036  | 3.84434  | 3.83099  | 3.81742  | 3.80361  | 3.78957  | 3.77527  | 3.76073  |
| 5                  | 4.06042            | 3.77972 | 3.61948  | 3.5202   | 3.45298  | 3.40451  | 3.3679   | 3.33928  | 3.31628  | 3.2974   | 3.26824  | 3.23801  | 3.20665  | 3.19052  | 3.17408  | 3.15732  | 3.14023  | 3.12279  | 3.105    |
| 6                  | 3.77595            | 3.4633  | 3.28876  | 3.18076  | 3.10751  | 3.05455  | 3.01446  | 2.98304  | 2.95774  | 2.93693  | 2.90472  | 2.87122  | 2.83634  | 2.81834  | 2.79996  | 2.78117  | 2.76195  | 2.74229  | 2.72216  |
| 7                  | 3.58943            | 3.25744 | 3.07407  | 2.96053  | 2.88334  | 2.82739  | 2.78493  | 2.75158  | 2.72468  | 2.70251  | 2.66811  | 2.63223  | 2.59473  | 2.57533  | 2.55546  | 2.5351   | 2.51422  | 2.49279  | 2.47079  |
| 8                  | 3.45792            | 3.11312 | 2.9238   | 2.80643  | 2.72645  | 2.66833  | 2.62413  | 2.58935  | 2.56124  | 2.53804  | 2.50196  | 2.46422  | 2.42464  | 2.4041   | 2.38302  | 2.36136  | 2.3391   | 2.31618  | 2.29257  |
| 9                  | 3.3603             | 3.00645 | 2.81286  | 2.69268  | 2.61061  | 2.55086  | 2.50531  | 2.46941  | 2.44034  | 2.41632  | 2.37888  | 2.33962  | 2.29832  | 2.27683  | 2.25472  | 2.23196  | 2.20849  | 2.18427  | 2.15923  |
| 10                 | 3.28502            | 2.92447 | 2.72767  | 2.60534  | 2.52164  | 2.46058  | 2.41397  | 2.37715  | 2.34731  | 2.3226   | 2.28405  | 2.24351  | 2.20074  | 2.17843  | 2.15543  | 2.13169  | 2.10716  | 2.08176  | 2.05542  |
| 11                 | 3.2252             | 2.85951 | 2.66023  | 2.53619  | 2.45118  | 2.38907  | 2.34157  | 2.304    | 2.2735   | 2.24823  | 2.20873  | 2.16709  | 2.12305  | 2.10001  | 2.07621  | 2.05161  | 2.02612  | 1.99965  | 1.97211  |
| 12                 | 3.17655            | 2.8068  | 2.60552  | 2.4801   | 2.39402  | 2.33102  | 2.28278  | 2.24457  | 2.21352  | 2.18776  | 2.14744  | 2.10485  | 2.05968  | 2.03599  | 2.01149  | 1.9861   | 1.95973  | 1.93228  | 1.90361  |
| 13                 | 3.13621            | 2.76317 | 2.56027  | 2.43371  | 2.34672  | 2.28298  | 2.2341   | 2.19535  | 2.16382  | 2.13763  | 2.09659  | 2.05316  | 2.00698  | 1.98272  | 1.95757  | 1.93147  | 1.90429  | 1.87591  | 1.8462   |
| 14                 | 3.10221            | 2.72647 | 2.52222  | 2.39469  | 2.30694  | 2.24256  | 2.19313  | 2.1539   | 2.12195  | 2.0954   | 2.05371  | 2.00953  | 1.96245  | 1.93766  | 1.91193  | 1.88516  | 1.85723  | 1.828    | 1.79728  |
| 15                 | 3.07319            | 2.69517 | 2.48979  | 2.36143  | 2.27302  | 2.20808  | 2.15818  | 2.11853  | 2.08621  | 2.05932  | 2.01707  | 1.97222  | 1.92431  | 1.89904  | 1.87277  | 1.84539  | 1.81676  | 1.78672  | 1.75505  |
| 16                 | 3.04811            | 2.66817 | 2.46181  | 2.33274  | 2.24376  | 2.17833  | 2.128    | 2.08798  | 2.05533  | 2.02815  | 1.98539  | 1.93992  | 1.89127  | 1.86556  | 1.83879  | 1.81084  | 1.78156  | 1.75075  | 1.71817  |
| 17                 | 3.02623            | 2.64464 | 2.43743  | 2.30775  | 2.21825  | 2.15239  | 2.10169  | 2.06134  | 2.02839  | 2.00094  | 1.95772  | 1.91169  | 1.86236  | 1.83624  | 1.80901  | 1.78053  | 1.75063  | 1.71909  | 1.68564  |
| 18                 | 3.00698            | 2.62395 | 2.41601  | 2.28577  | 2.19583  | 2.12958  | 2.07854  | 2.03789  | 2.00467  | 1.97698  | 1.93334  | 1.88681  | 1.83685  | 1.81035  | 1.78269  | 1.75371  | 1.72322  | 1.69099  | 1.65671  |
| 19                 | 2.9899             | 2.60561 | 2.39702  | 2.2663   | 2.17596  | 2.10936  | 2.05802  | 2.0171   | 1.98364  | 1.95573  | 1.9117   | 1.86471  | 1.81416  | 1.78731  | 1.75924  | 1.72979  | 1.69876  | 1.66587  | 1.63077  |
| 20                 | 2.97465            | 2.58925 | 2.38009  | 2.24893  | 2.15823  | 2.09132  | 2.0397   | 1.99853  | 1.96485  | 1.93674  | 1.89236  | 1.84494  | 1.79384  | 1.76667  | 1.73822  | 1.70833  | 1.67678  | 1.64326  | 1.60738  |
| 21                 | 2.96096            | 2.57457 | 2.36489  | 2.23334  | 2.14231  | 2.07512  | 2.02325  | 1.98186  | 1.94797  | 1.91967  | 1.87497  | 1.82715  | 1.77555  | 1.74807  | 1.71927  | 1.68896  | 1.65691  | 1.62278  | 1.58615  |
| 22                 | 2.94858            | 2.56131 | 2.35117  | 2.21927  | 2.12794  | 2.0605   | 2.0084   | 1.9668   | 1.93273  | 1.90425  | 1.85925  | 1.81106  | 1.75899  | 1.73122  | 1.70208  | 1.67138  | 1.63885  | 1.60415  | 1.56678  |
| 23                 | 2.93736            | 2.54929 | 2.33873  | 2.20651  | 2.11491  | 2.04723  | 1.99492  | 1.95312  | 1.91888  | 1.89025  | 1.84497  | 1.79643  | 1.74392  | 1.71588  | 1.68643  | 1.65535  | 1.62237  | 1.58711  | 1.54903  |
| 24                 | 2.92712            | 2.53833 | 2.32739  | 2.19488  | 2.10303  | 2.03513  | 1.98263  | 1.94066  | 1.90625  | 1.87748  | 1.83194  | 1.78308  | 1.73015  | 1.70185  | 1.6721   | 1.64067  | 1.60726  | 1.57146  | 1.5327   |
| 25                 | 2.91774            | 2.52831 | 2.31702  | 2.18424  | 2.09216  | 2.02406  | 1.97138  | 1.92925  | 1.89469  | 1.86578  | 1.82     | 1.77083  | 1.71752  | 1.68898  | 1.65895  | 1.62718  | 1.59335  | 1.55703  | 1.5176   |
| 26                 | 2.90913            | 2.5191  | 2.30749  | 2.17447  | 2.08218  | 2.01389  | 1.96104  | 1.91876  | 1.88407  | 1.85503  | 1.80902  | 1.75957  | 1.70589  | 1.67712  | 1.64682  | 1.61472  | 1.5805   | 1.54368  | 1.5036   |
| 27                 | 2.90119            | 2.51061 | 2.29871  | 2.16546  | 2.07298  | 2.00452  | 1.95151  | 1.90909  | 1.87427  | 1.84511  | 1.79889  | 1.74917  | 1.69514  | 1.66616  | 1.6356   | 1.6032   | 1.56859  | 1.53129  | 1.49057  |
| 28                 | 2.89385            | 2.50276 | 2.2906   | 2.15714  | 2.06447  | 1.99585  | 1.9427   | 1.90014  | 1.8652   | 1.83593  | 1.78951  | 1.73954  | 1.68519  | 1.656    | 1.62519  | 1.5925   | 1.55753  | 1.51976  | 1.47841  |
| 29                 | 2.88703            | 2.49548 | 2.28307  | 2.14941  | 2.05658  | 1.98781  | 1.93452  | 1.89184  | 1.85679  | 1.82741  | 1.78081  | 1.7306   | 1.67593  | 1.64655  | 1.61551  | 1.58253  | 1.54721  | 1.50899  | 1.46704  |
| 30                 | 2.88069            | 2.48872 | 2.27607  | 2.14223  | 2.04925  | 1.98033  | 1.92692  | 1.88412  | 1.84896  | 1.81949  | 1.7727   | 1.72227  | 1.66731  | 1.63774  | 1.60648  | 1.57323  | 1.53757  | 1.49891  | 1.45636  |
| 40                 | 2.83535            | 2.44037 | 2.22609  | 2.09095  | 1.99682  | 1.92688  | 1.87252  | 1.82886  | 1.7929   | 1.76269  | 1.71456  | 1.66241  | 1.60515  | 1.57411  | 1.54108  | 1.50562  | 1.46716  | 1.42476  | 1.37691  |
| 60                 | 2.79107            | 2.39325 | 2.17741  | 2.04099  | 1.94571  | 1.87472  | 1.81939  | 1.77483  | 1.73802  | 1.70701  | 1.65743  | 1.60337  | 1.54349  | 1.51072  | 1.47554  | 1.43734  | 1.3952   | 1.34757  | 1.29146  |
| 120                | 2.74781            | 2.34734 | 2.12999  | 1.9923   | 1.89587  | 1.82381  | 1.76748  | 1.72196  | 1.68425  | 1.65238  | 1.6012   | 1.545    | 1.48207  | 1.44723  | 1.40938  | 1.3676   | 1.32034  | 1.26457  | 1.19256  |
| ∞                  | 2.70554            | 2.30259 | 2.0838   | 1.94486  | 1.84727  | 1.77411  | 1.71672  | 1.6702   | 1.63152  | 1.59872  | 1.54578  | 1.48714  | 1.4206   | 1.38318  | 1.34187  | 1.29513  | 1.23995  | 1.1686   | 1        |