1



54,364 km

60,268 km

√2

K0 = area of Saturn ± 1 mm

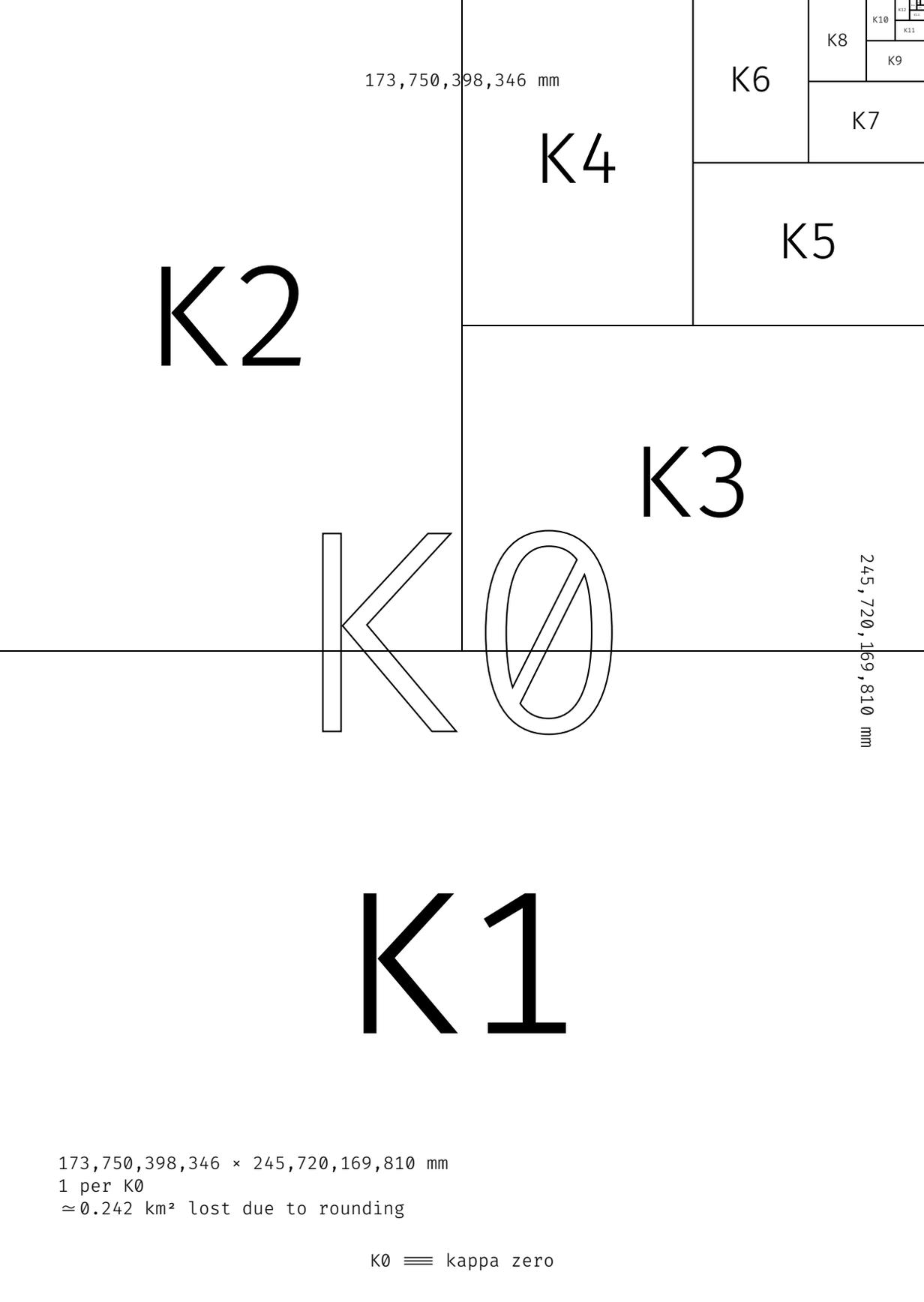K0 → K66

173,750.398,346,973,76 km

# SATURN

245,720.169,810,018,12 km

equatorial radius : 60,268 km
polar radius : 54,364 km

calculated area : 42,693,977,386.376,686 km²
rectangle with an area equal to Saturn and a ratio of 1:√2 :
width : 173,750.398,346,973,76 km
height : 245,720.169,810,018,12 km

This series is printed in the format α60 (161 × 228 mm), the
first format that can be affixed on an A4 format.

Saturn ⟸ Cronus ⚌ Κρόνος ⊱ K

173,750,398,346 mm

K4

K2

K6

K7

K8

K10

K11

K9

K5

K3

K0
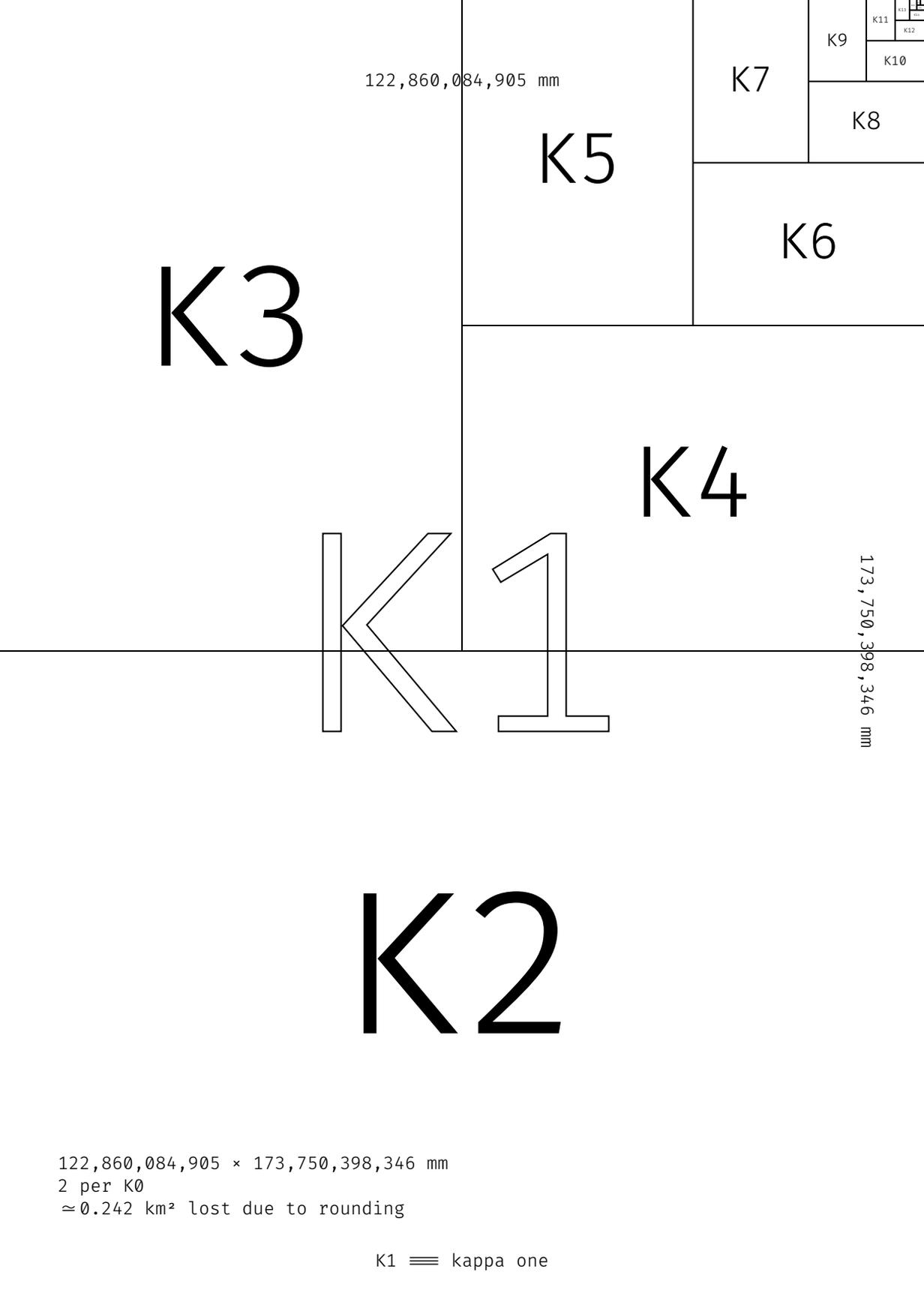
245,720,169,810 mm

K1

173,750,398,346 × 245,720,169,810 mm
1 per K0
≃0.242 km² lost due to rounding

K0 ≡ kappa zero

122,860,084,905 mm

K5

K7

K9

K11

K12

K10
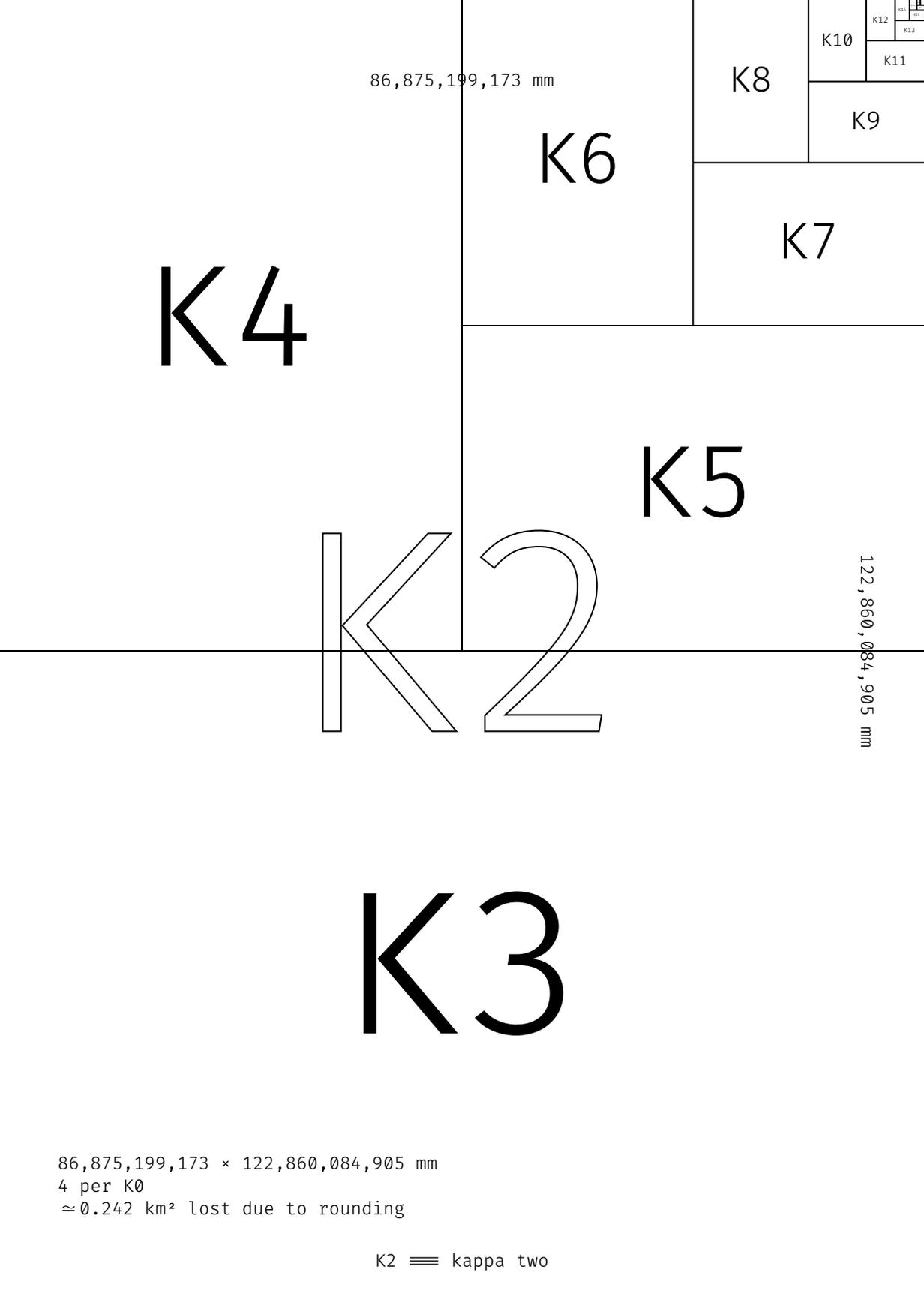
K8

K6

K3

K4

K1

173,750,398,346 mm

K2

122,860,084,905 × 173,750,398,346 mm
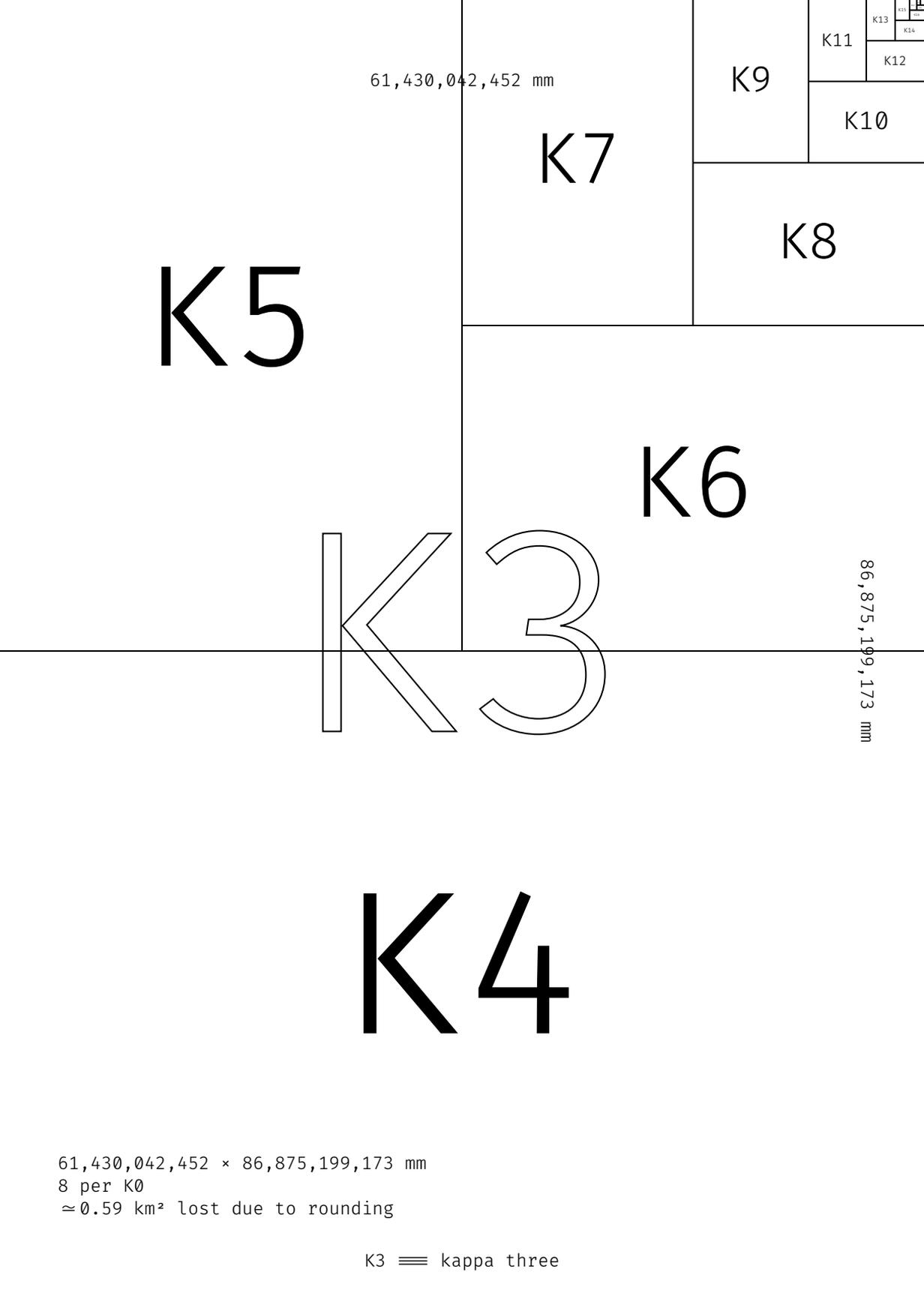2 per K0
≃0.242 km² lost due to rounding

K1 ≡ kappa one

86,875,199,173 mm

K6

K8

K10

K11

K9

K7

K4

K5

K2

122,860,084,905 mm

K12

K13

K3

86,875,199,173 × 122,860,084,905 mm
4 per K0
≃0.242 km² lost due to rounding

K2 ≡ kappa two

61,430,042,452 mm

K7

K9

K11

K12

K10
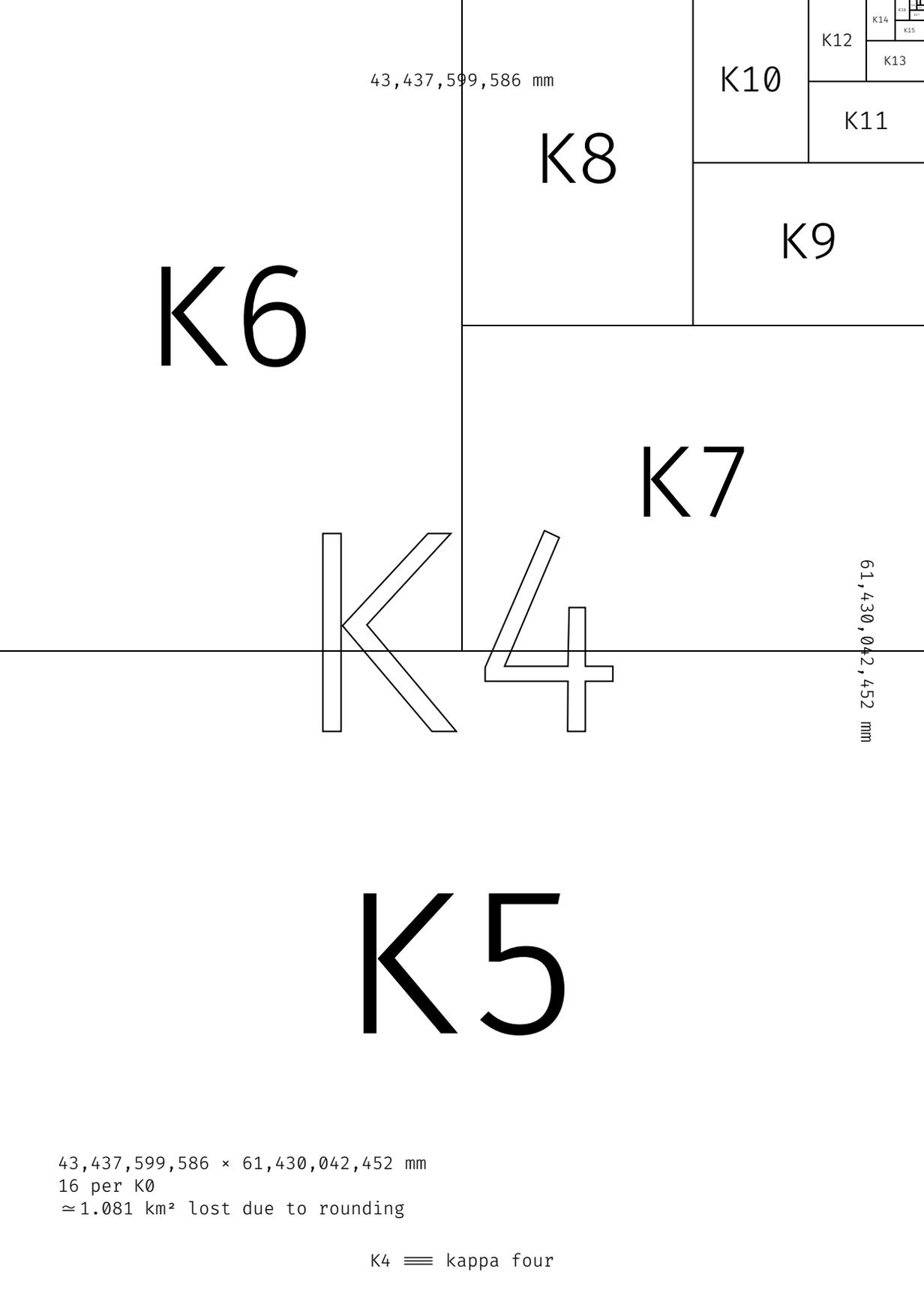
K13

K14

K5

K8

K6

K3

86,875,199,173 mm

K4

61,430,042,452 × 86,875,199,173 mm
8 per K0
≃0.59 km² lost due to rounding

K3 ≡ kappa three

43,437,599,586 mm

K8

K10
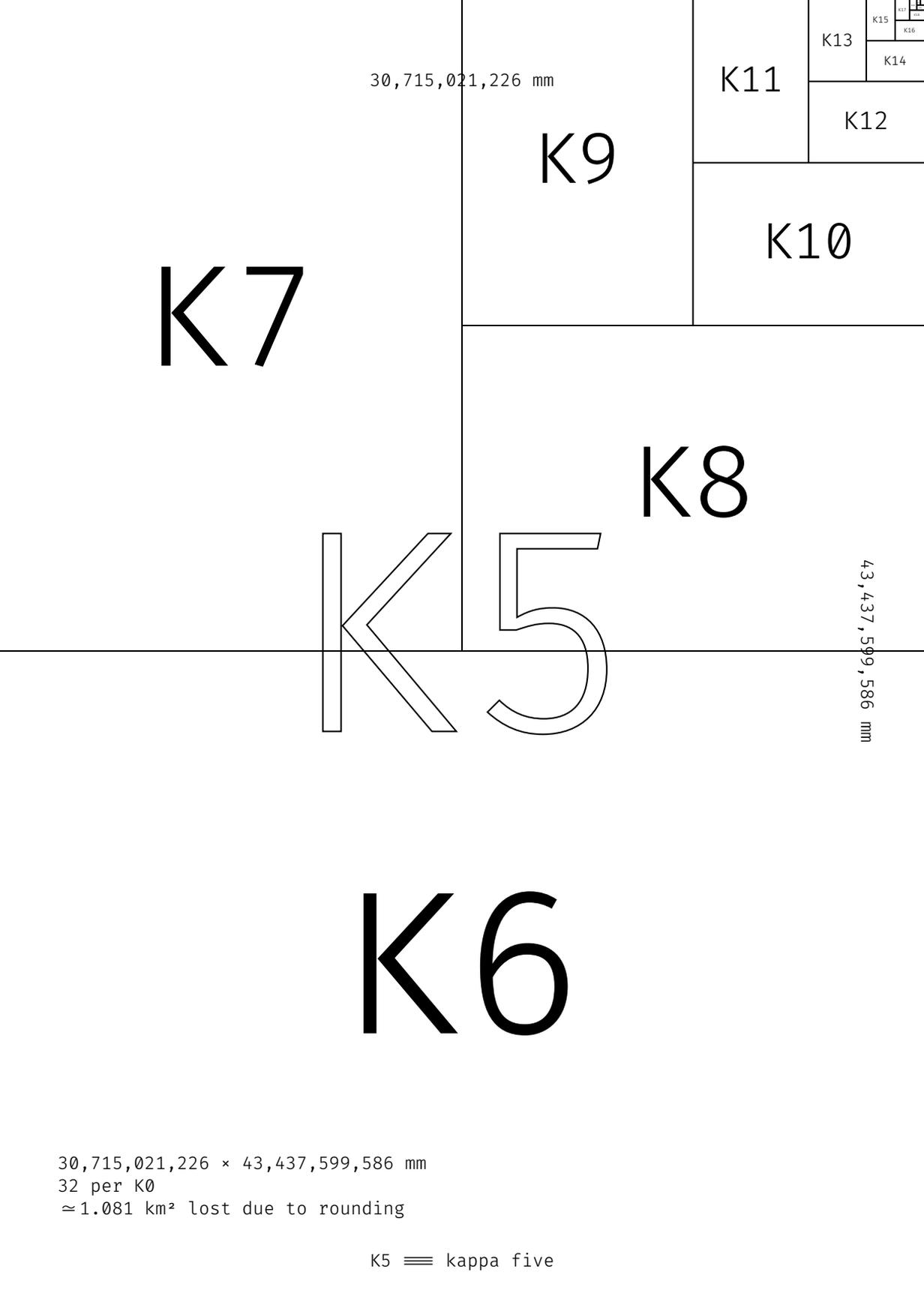
K12

K14

K15

K13

K11

K6

K9

K7

K4

61,430,042,452 mm

K5

43,437,599,586 × 61,430,042,452 mm
16 per K0
≃1.081 km² lost due to rounding

K4 ≡ kappa four

30,715,021,226 mm

K9

K11

K13

K15

K16
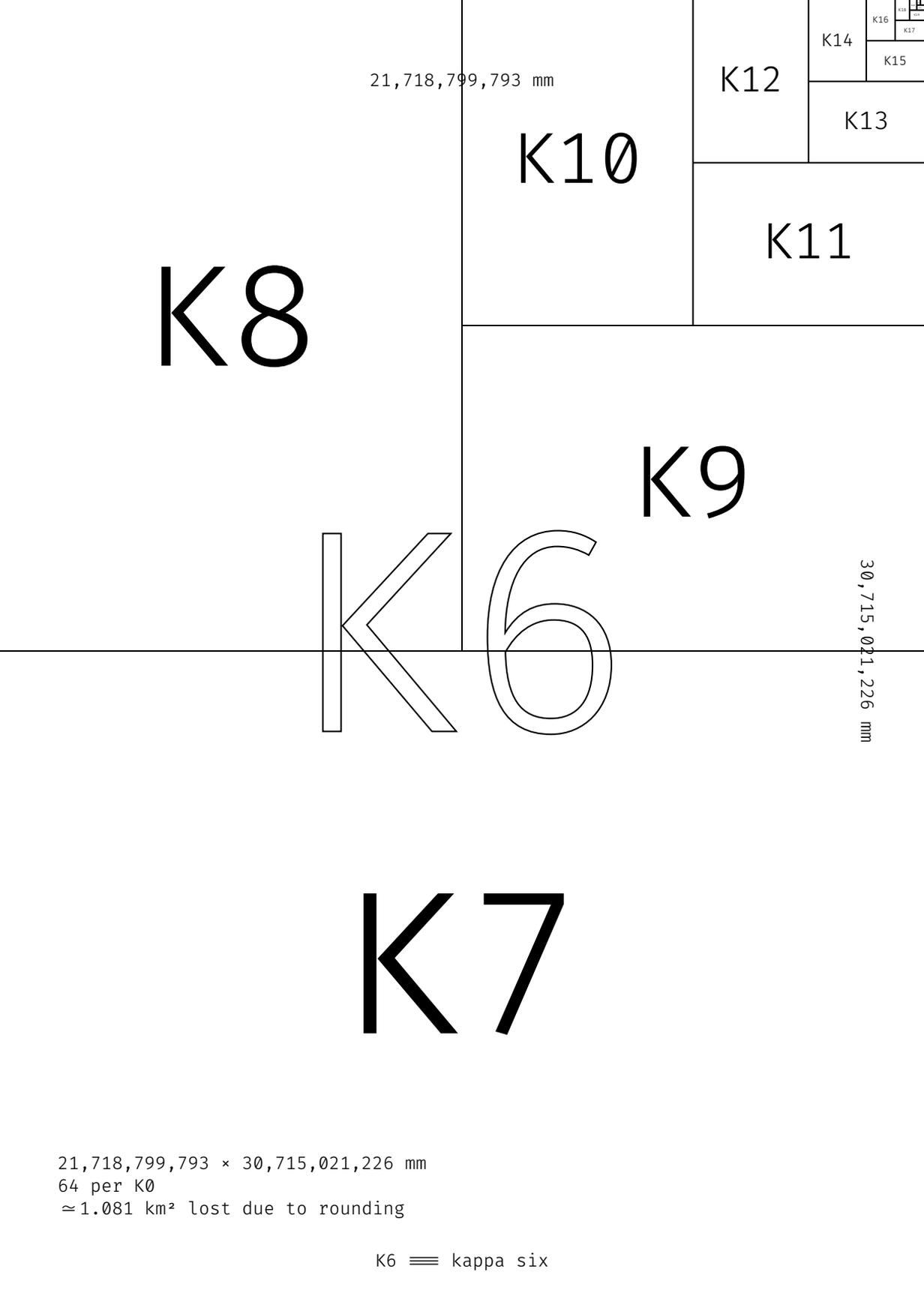
K14

K12

K10

K7

K8

K5

43,437,599,586 mm

K6

30,715,021,226 × 43,437,599,586 mm
32 per K0
≃1.081 km² lost due to rounding

K5 ≡ kappa five

21,718,799,793 mm

K10

K12

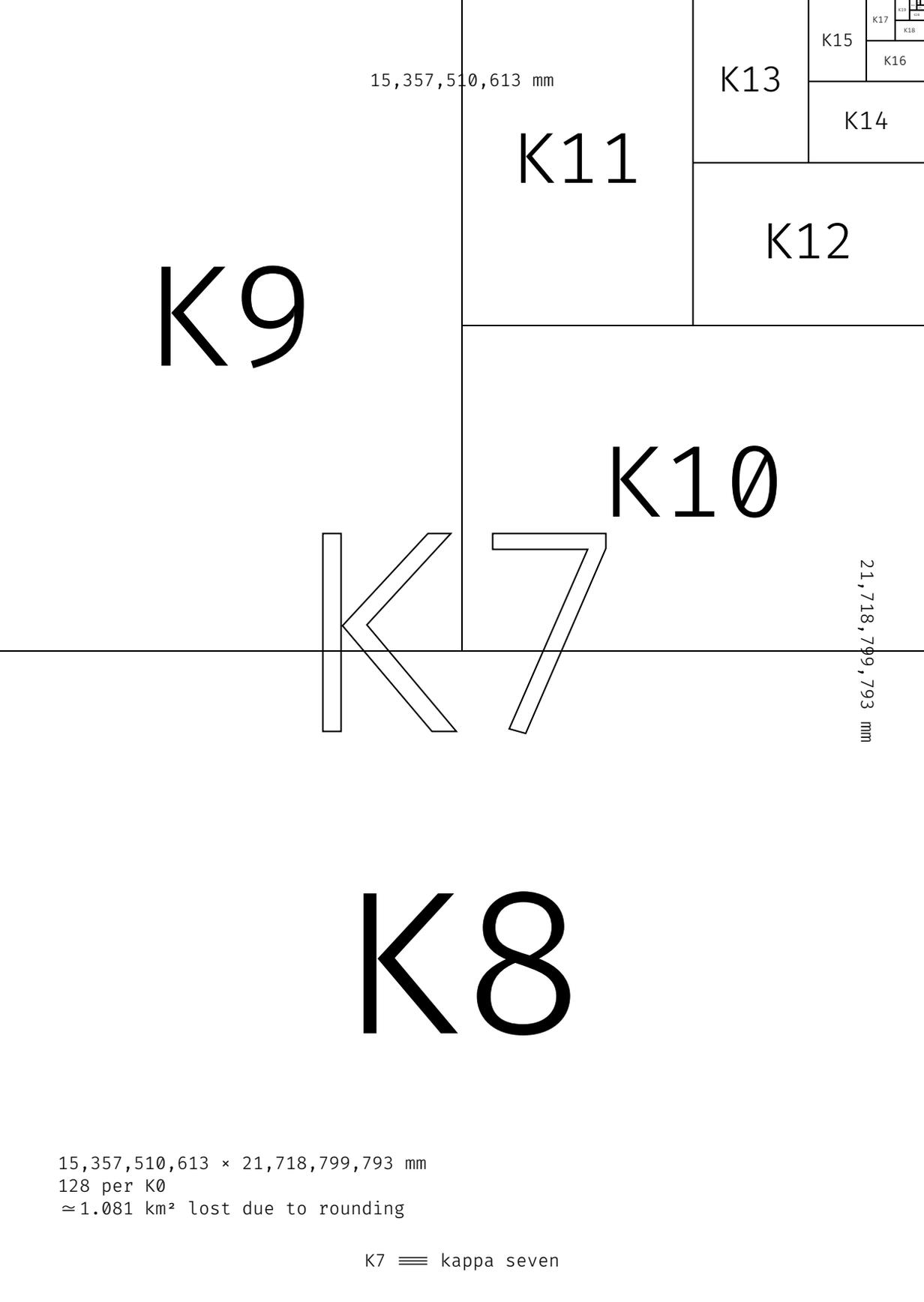K14

K15

K16

K17

K13

K11

K8

K9

K6

30,715,021,226 mm

K7

21,718,799,793 × 30,715,021,226 mm
64 per K0
≃1.081 km² lost due to rounding

K6 ≡ kappa six

15,357,510,613 mm

K11

K13

K15

K17

K16

K18

K14

K9

K12

K7

K10

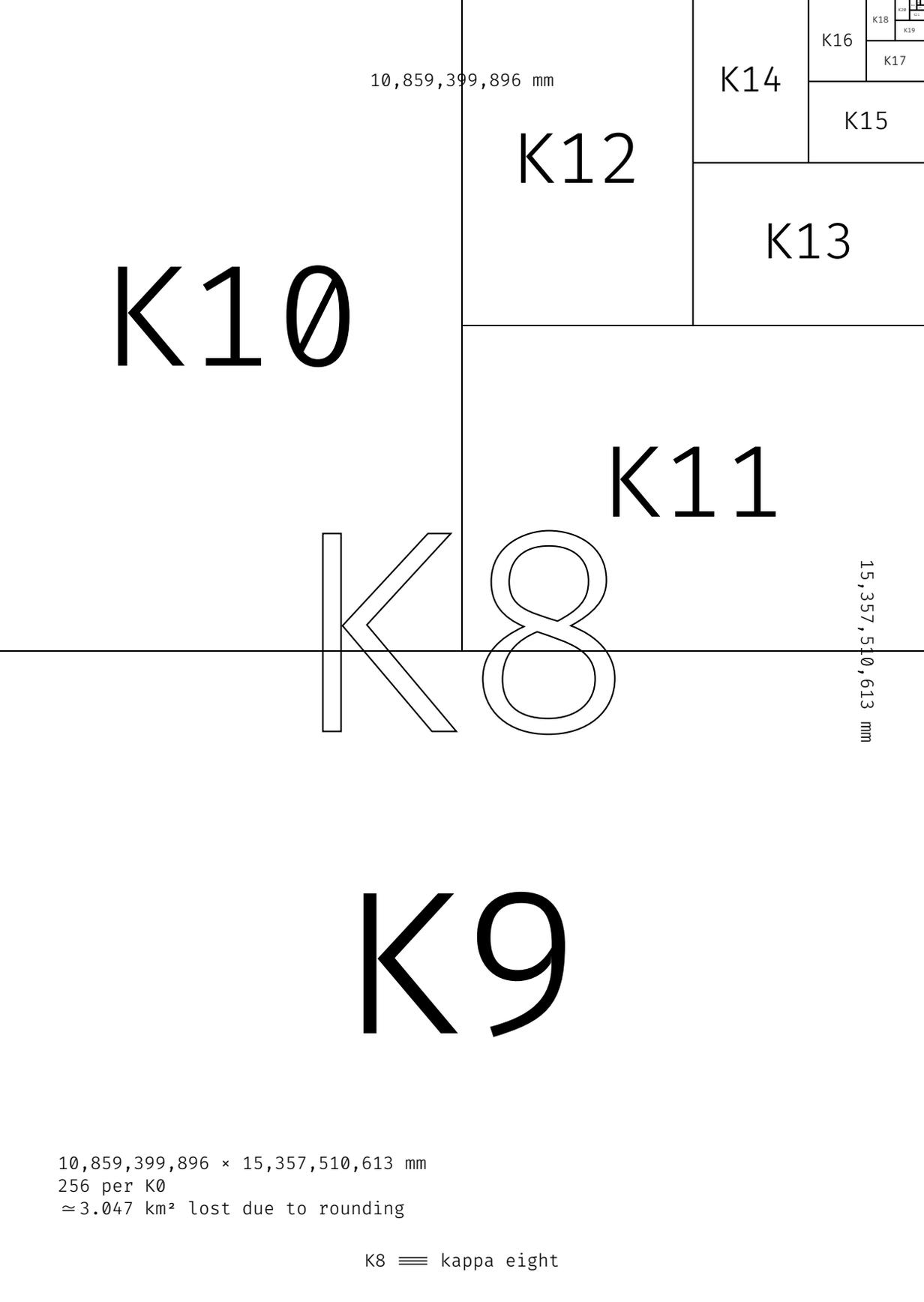21,718,799,793 mm

K8

15,357,510,613 × 21,718,799,793 mm
128 per K0
≃1.081 km² lost due to rounding

K7 ≡ kappa seven

10,859,399,896 mm

K12

K14

K16

K18
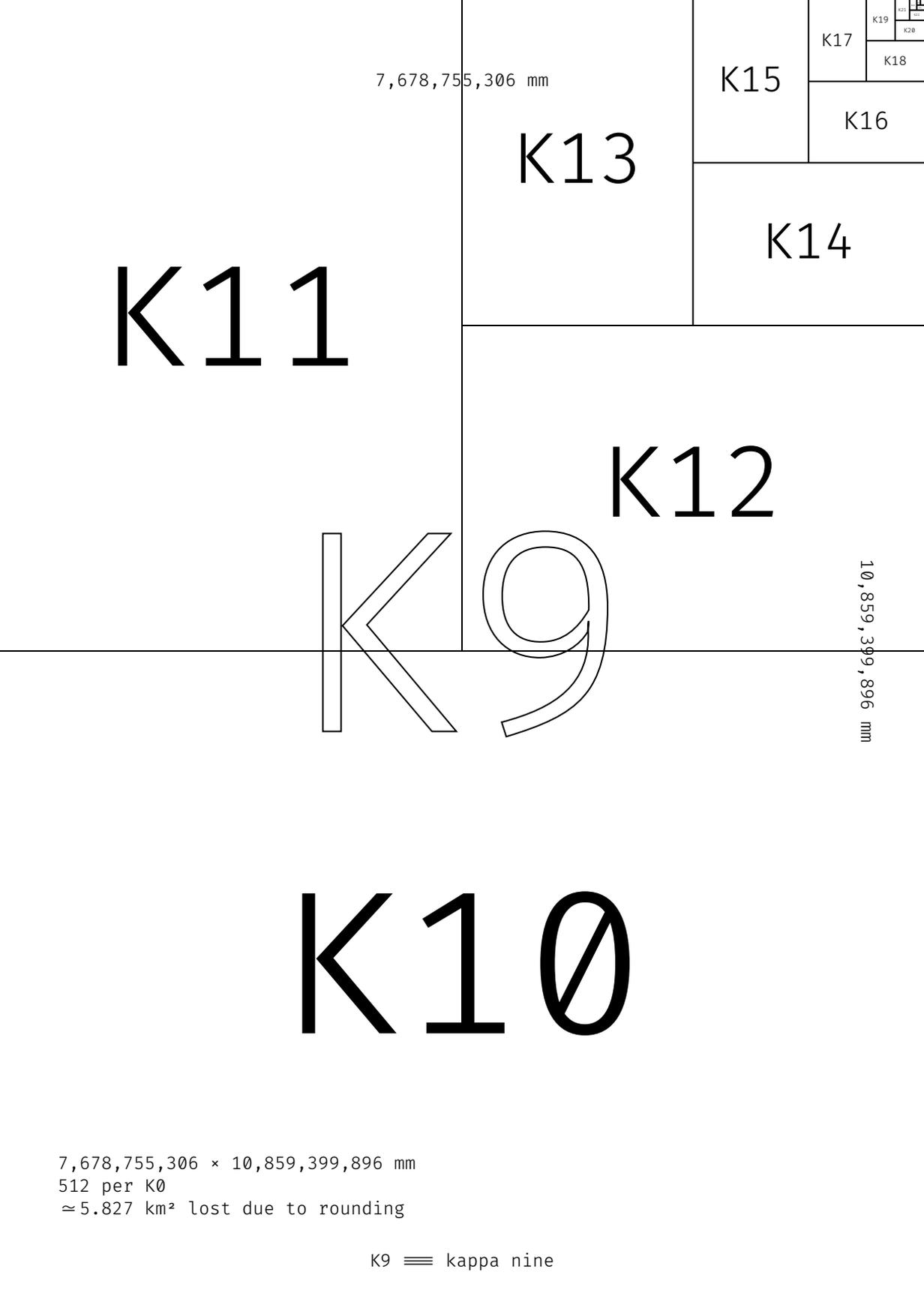
K19

K17

K15

K10

K13

K11

K8

15,357,510,613 mm

K9

10,859,399,896 × 15,357,510,613 mm
256 per K0
≃3.047 km² lost due to rounding

K8 ≡ kappa eight

7,678,755,306 mm

K13

K15

K17

K19
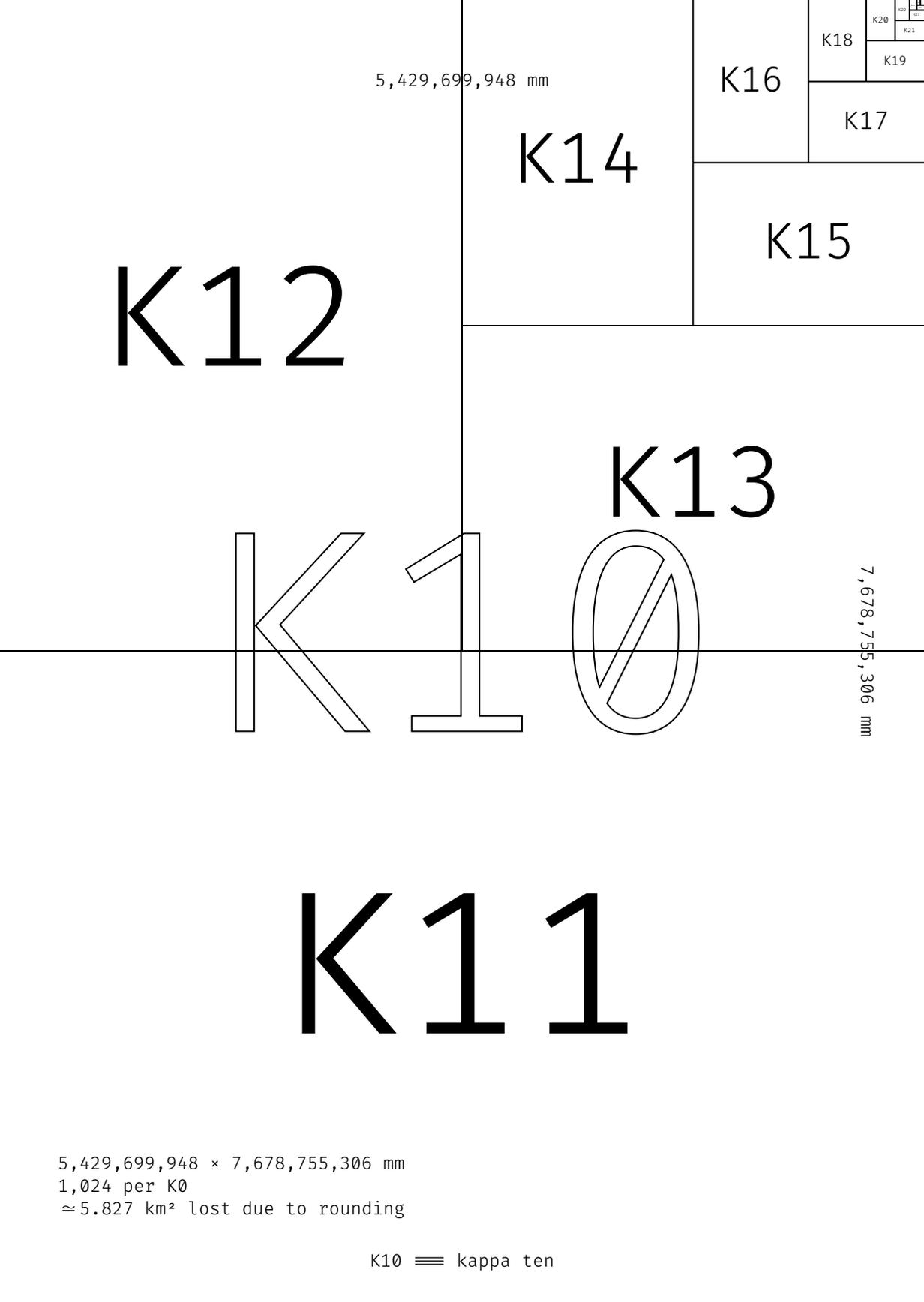
K20

K18

K16

K14

K11

K12

K9

10,859,399,896 mm

K10

7,678,755,306 × 10,859,399,896 mm
512 per K0
≃5.827 km² lost due to rounding

K9 ≡ kappa nine

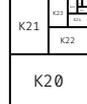5,429,699,948 mm

K14

K16

K18

K19

K17

K12

K15

K13

K10

7,678,755,306 mm

K11

5,429,699,948 × 7,678,755,306 mm
1,024 per K0
≃5.827 km² lost due to rounding

K10 ≡ kappa ten

3,839,377,653 mm
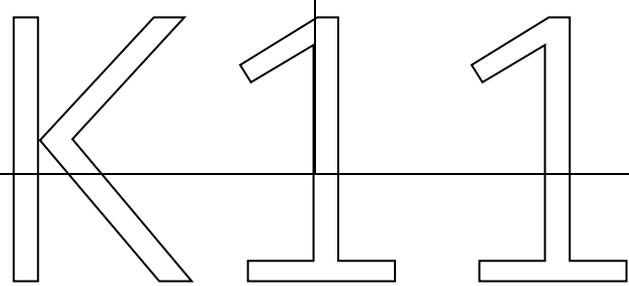
K15

K17

K19

K20

K18
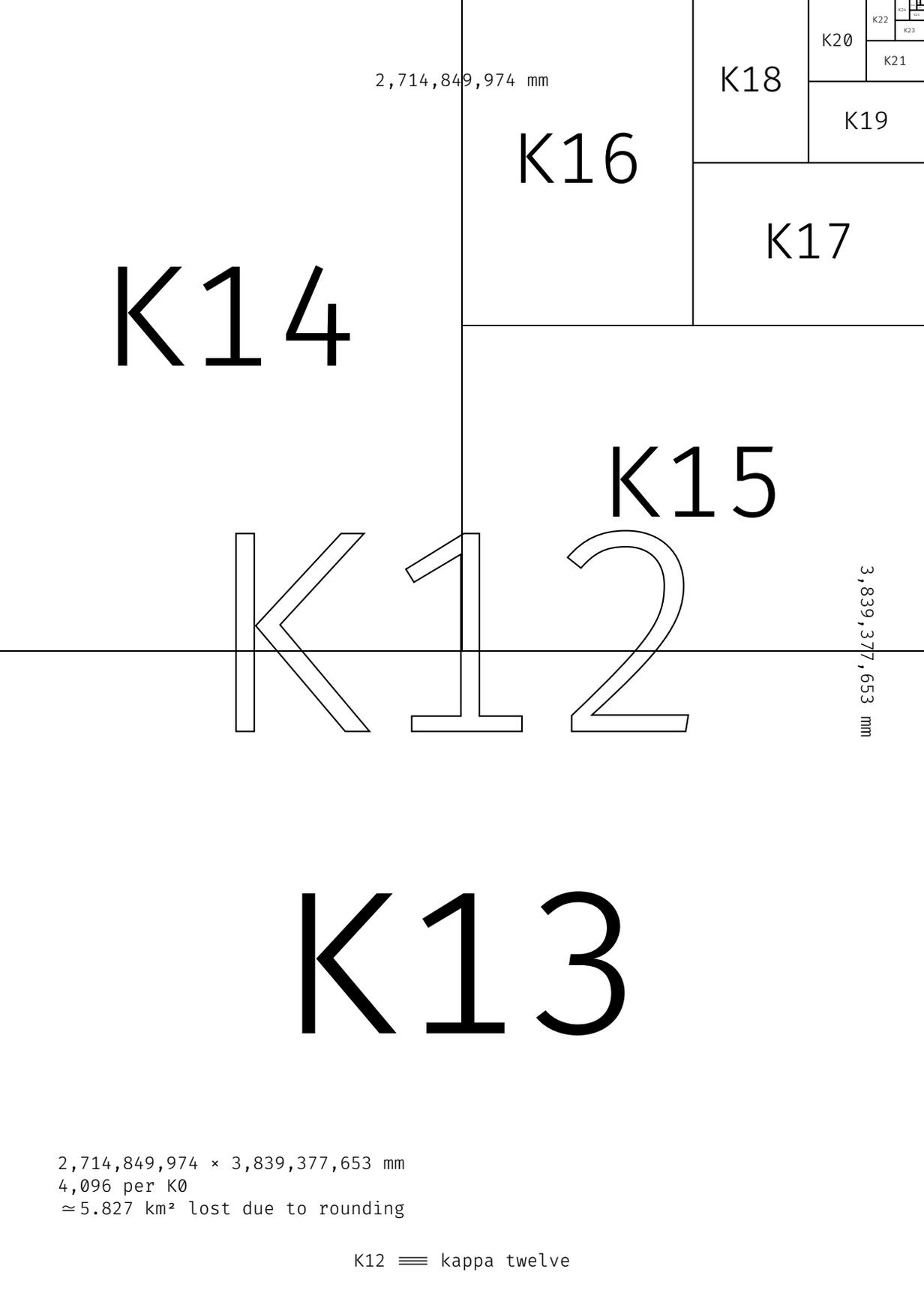
K21

K22

K16

K13

K14

K11

5,429,699,948 mm

K12

3,839,377,653 × 5,429,699,948 mm
2,048 per K0
≃5.827 km² lost due to rounding

K11 ≡ kappa eleven

2,714,849,974 mm

K20

K18

K22

K23

K21
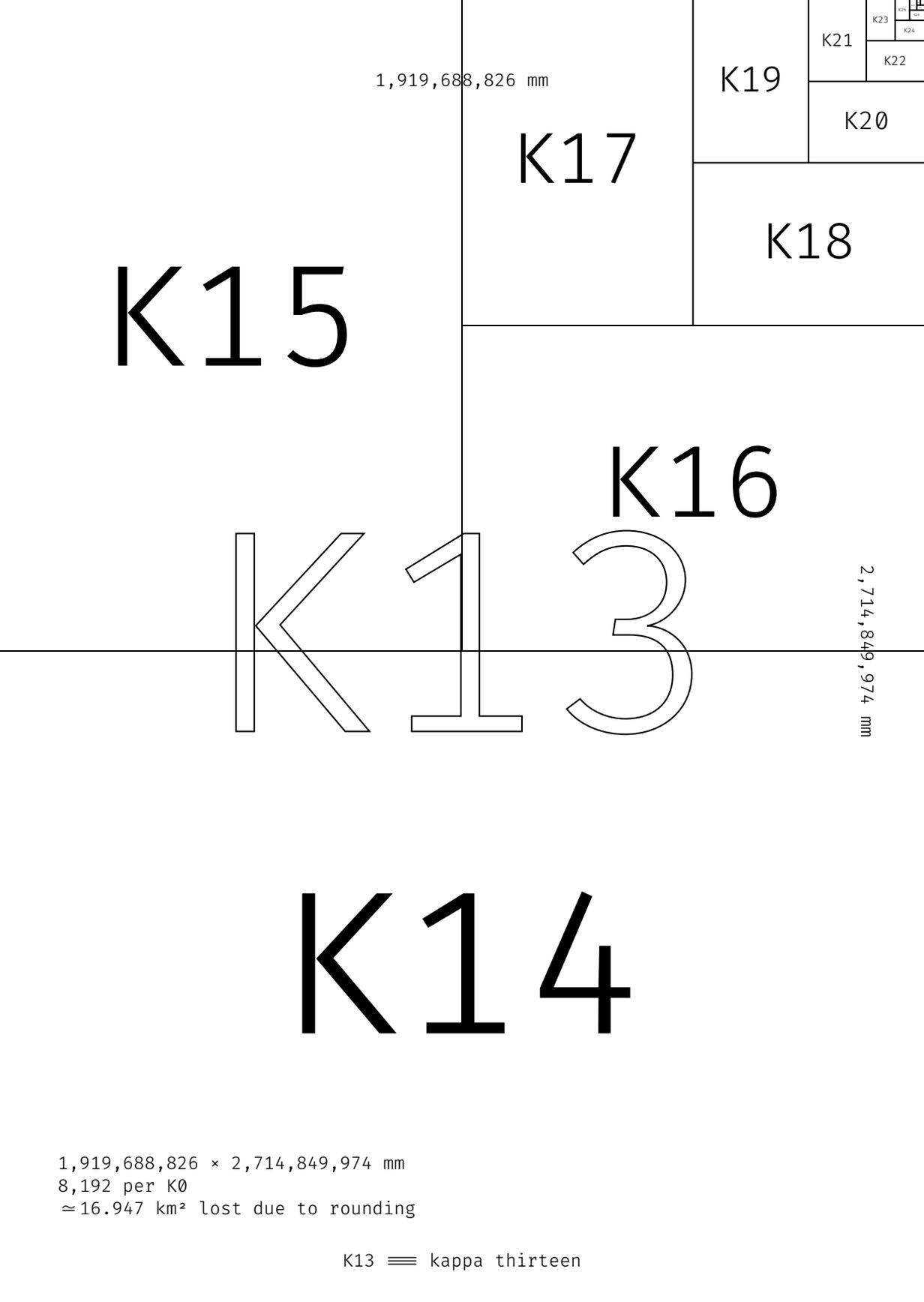
K16

K19

K17

K14

K15

K12

3,839,377,653 mm

K13

2,714,849,974 × 3,839,377,653 mm
4,096 per K0
≃5.827 km² lost due to rounding

K12 ≡ kappa twelve

1,919,688,826 mm

K17

K19

K21

K23

K22

K24

K20

K18

K15

K16

K13

2,714,849,974 mm

K14

1,919,688,826 × 2,714,849,974 mm
8,192 per K0
≃16.947 km² lost due to rounding

K13 ≡ kappa thirteen

1,357,424,987 mm

K18

K22

K20

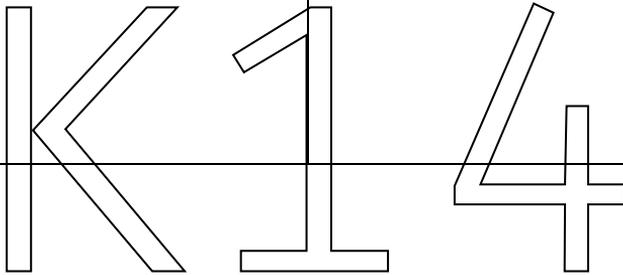K24

K25

K23

K21

K19

K16

K14

K17

1,919,688,826 mm

K15

1,357,424,987 × 1,919,688,826 mm
16,384 per K0
≃16.947 km² lost due to rounding

K14 ≡ kappa fourteen

959,844,413 mm
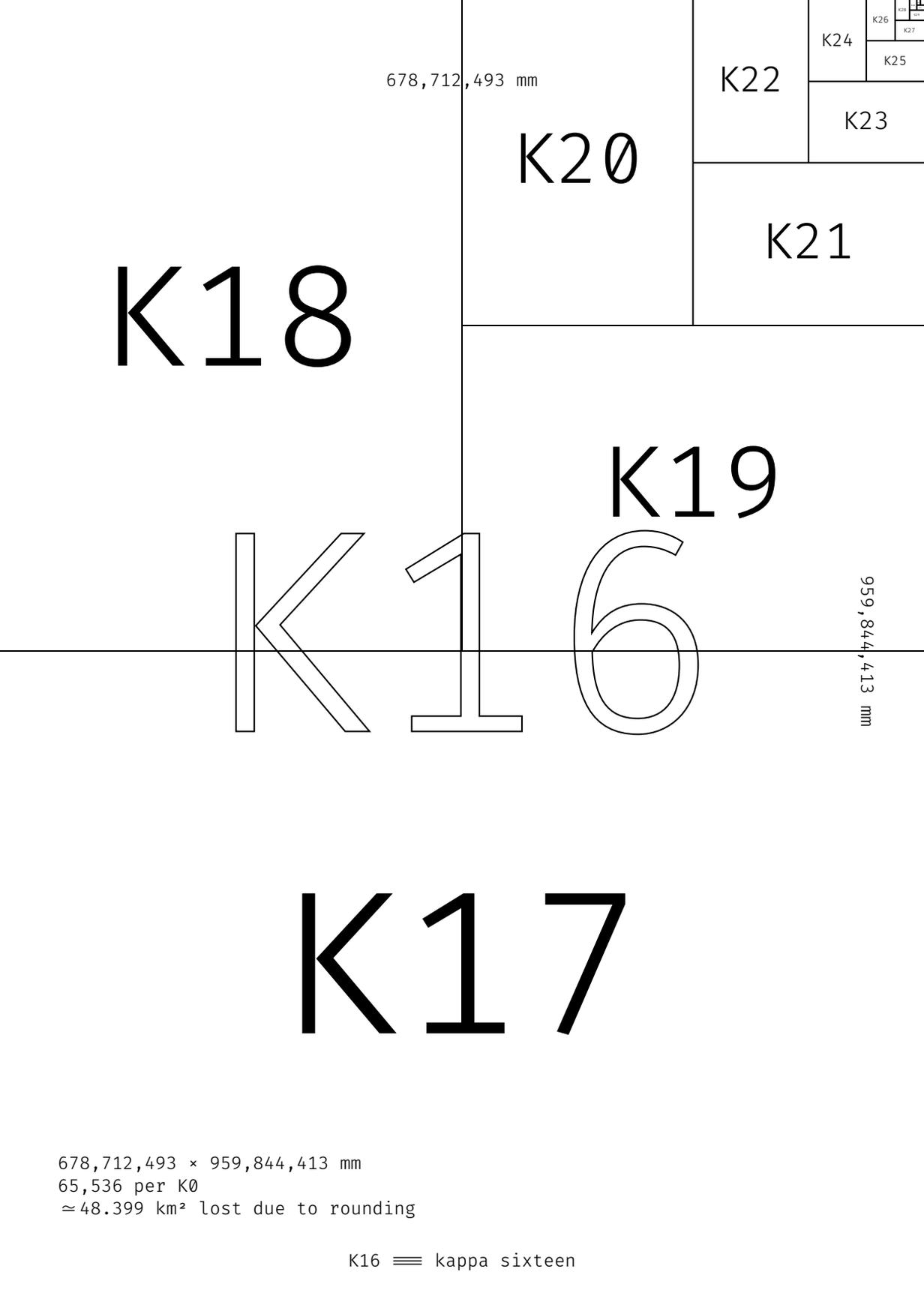
K19

K21

K23

K24

K25

K26

K22

K17

K20

K15

K18

1,357,424,987 mm

K16

959,844,413 × 1,357,424,987 mm
32,768 per K0
≃16.947 km² lost due to rounding

K15 ≡ kappa fifteen

678,712,493 mm

K24

K22

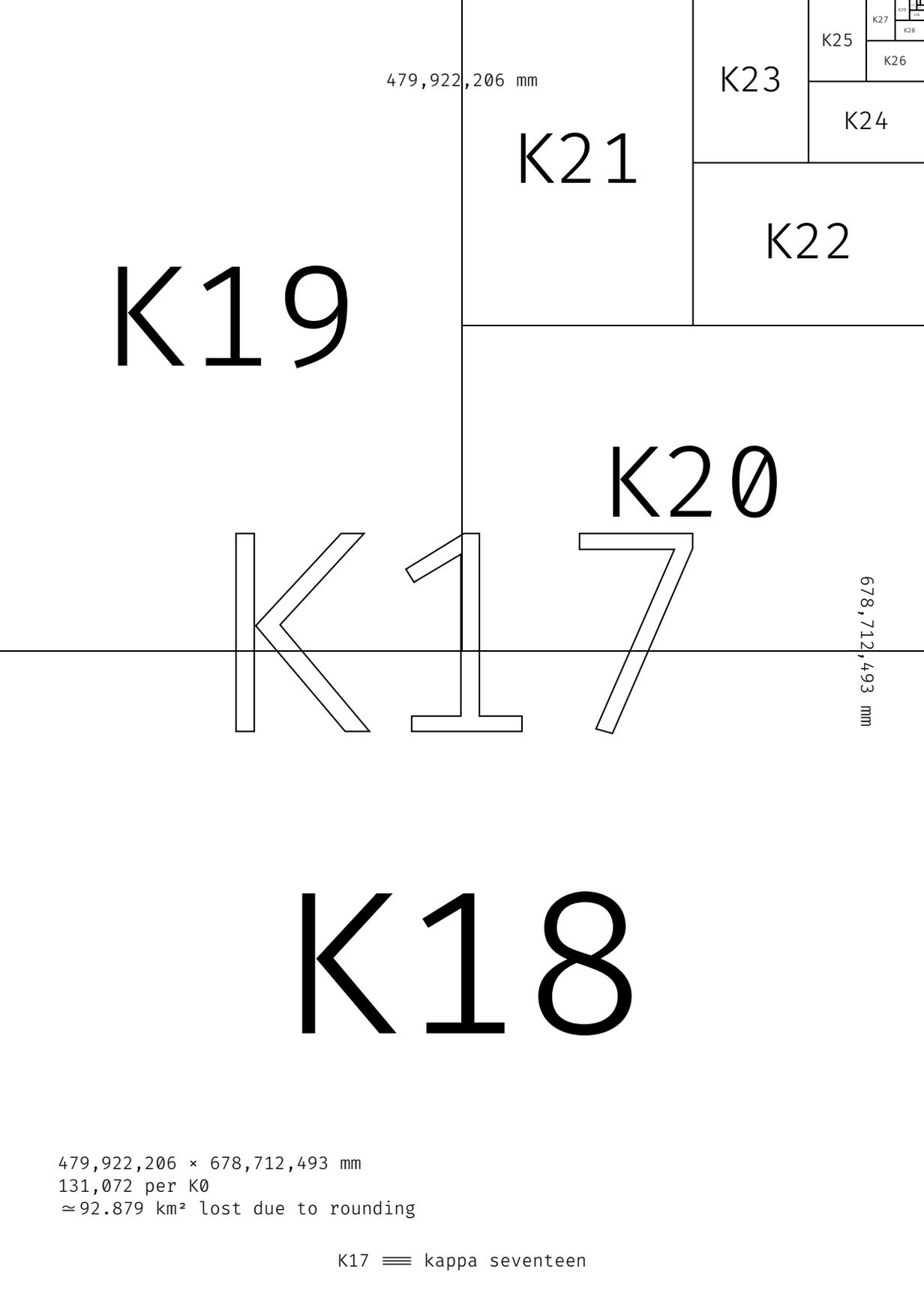K25

K26

K27

K20

K23

K21

K18

K19

K16

959,844,413 mm

K17

678,712,493 × 959,844,413 mm
65,536 per K0
≃48.399 km² lost due to rounding

K16 ≡ kappa sixteen

479,922,206 mm

K21

K19

K23

K25

K26

K27

K28

K24

K22

K20

K17

678,712,493 mm

K18

479,922,206 × 678,712,493 mm
131,072 per K0
≃92.879 km² lost due to rounding

K17 ≡ kappa seventeen

339,356,246 mm

K28

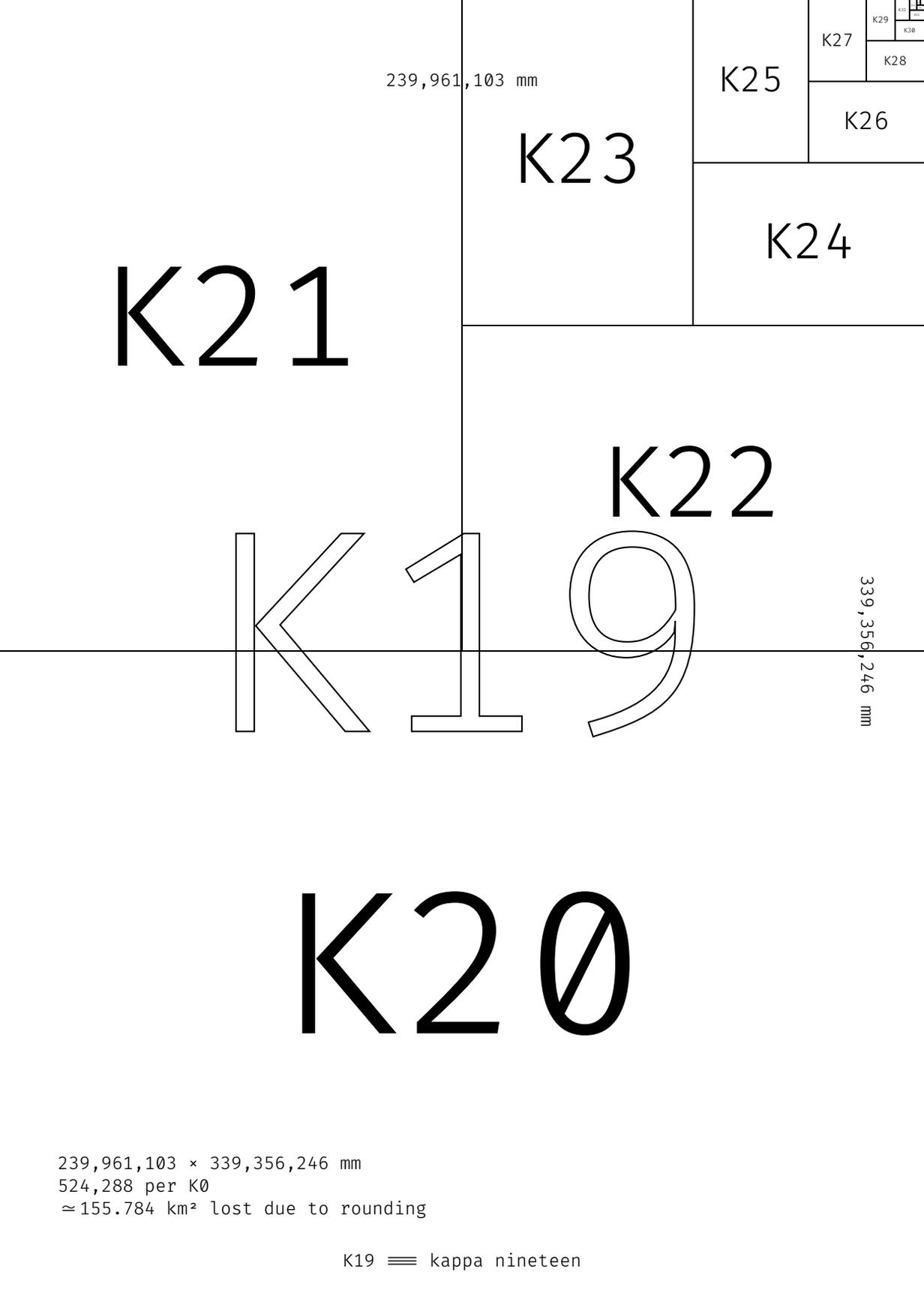K26

K24

K27

K25

K22

K23

K20

K21

K18

479,922,206 mm

K19

339,356,246 × 479,922,206 mm
262,144 per K0
≃155.784 km² lost due to rounding

K18 ≡ kappa eighteen

239,961,103 mm

K23

K25

K27

K28

K26

K29

K30

K24

K21

K22

K19

339,356,246 mm

K20

239,961,103 × 339,356,246 mm
524,288 per K0
≃155.784 km² lost due to rounding
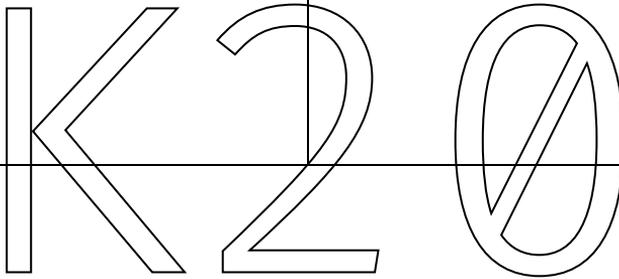
K19 ≡≡≡ kappa nineteen

169,678,123 mm

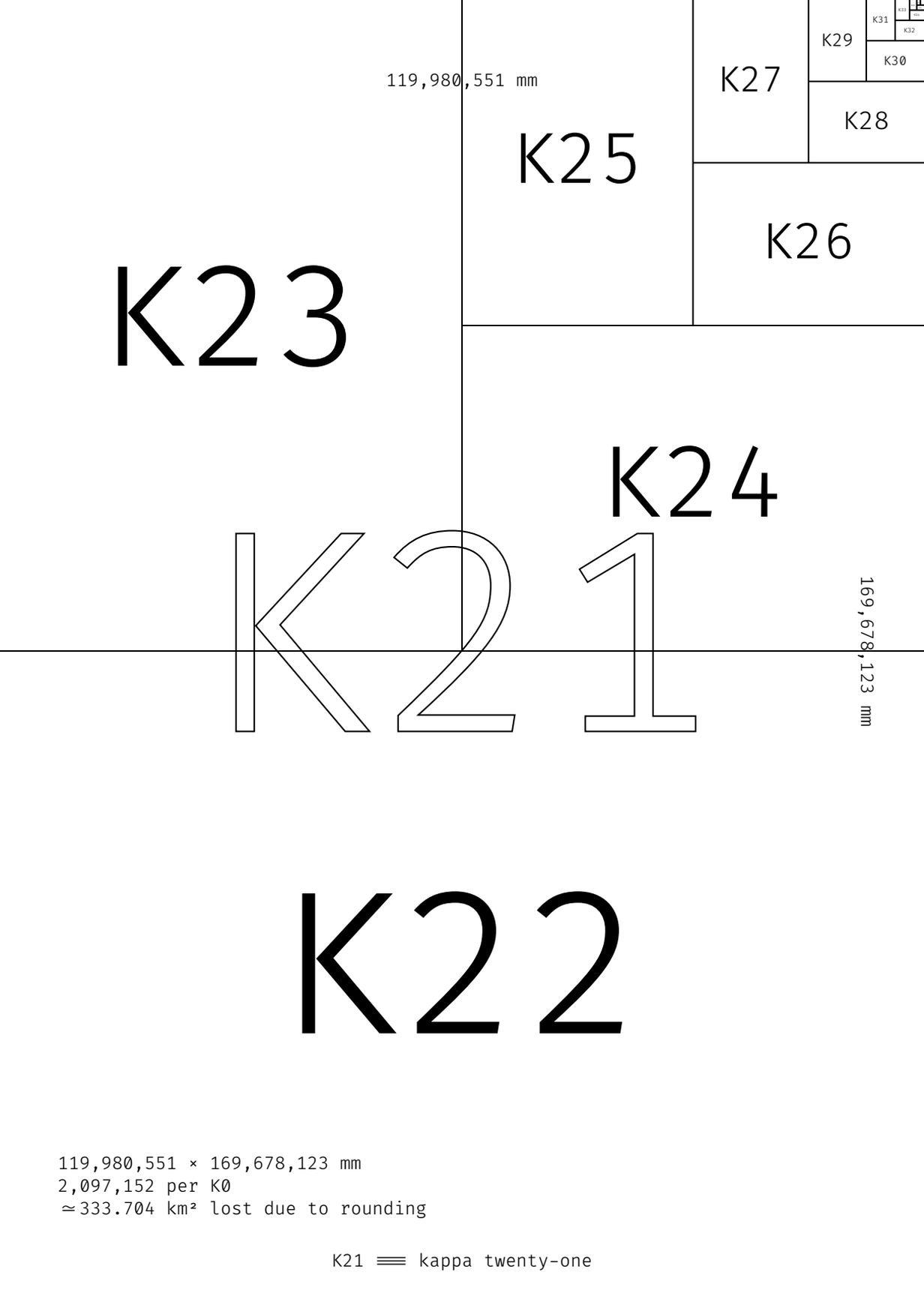K28

K26

K24

K29

K27

K30

K31

K22

K25

K23

K20

239,961,103 mm

K21

169,678,123 × 239,961,103 mm
1,048,576 per K0
≃155.784 km² lost due to rounding

K20 ≡ kappa twenty

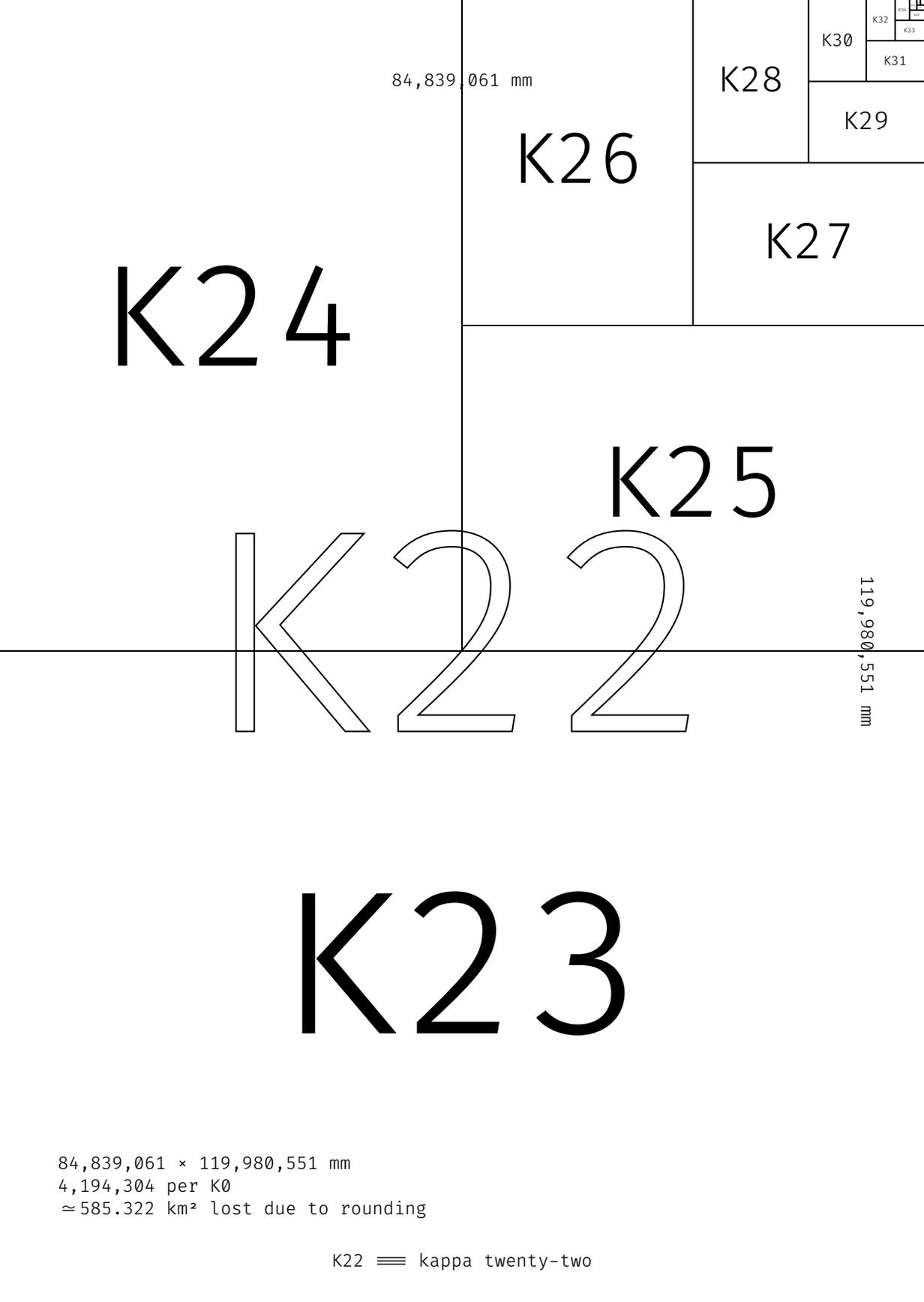119,980,551 mm

K25

K23

K27

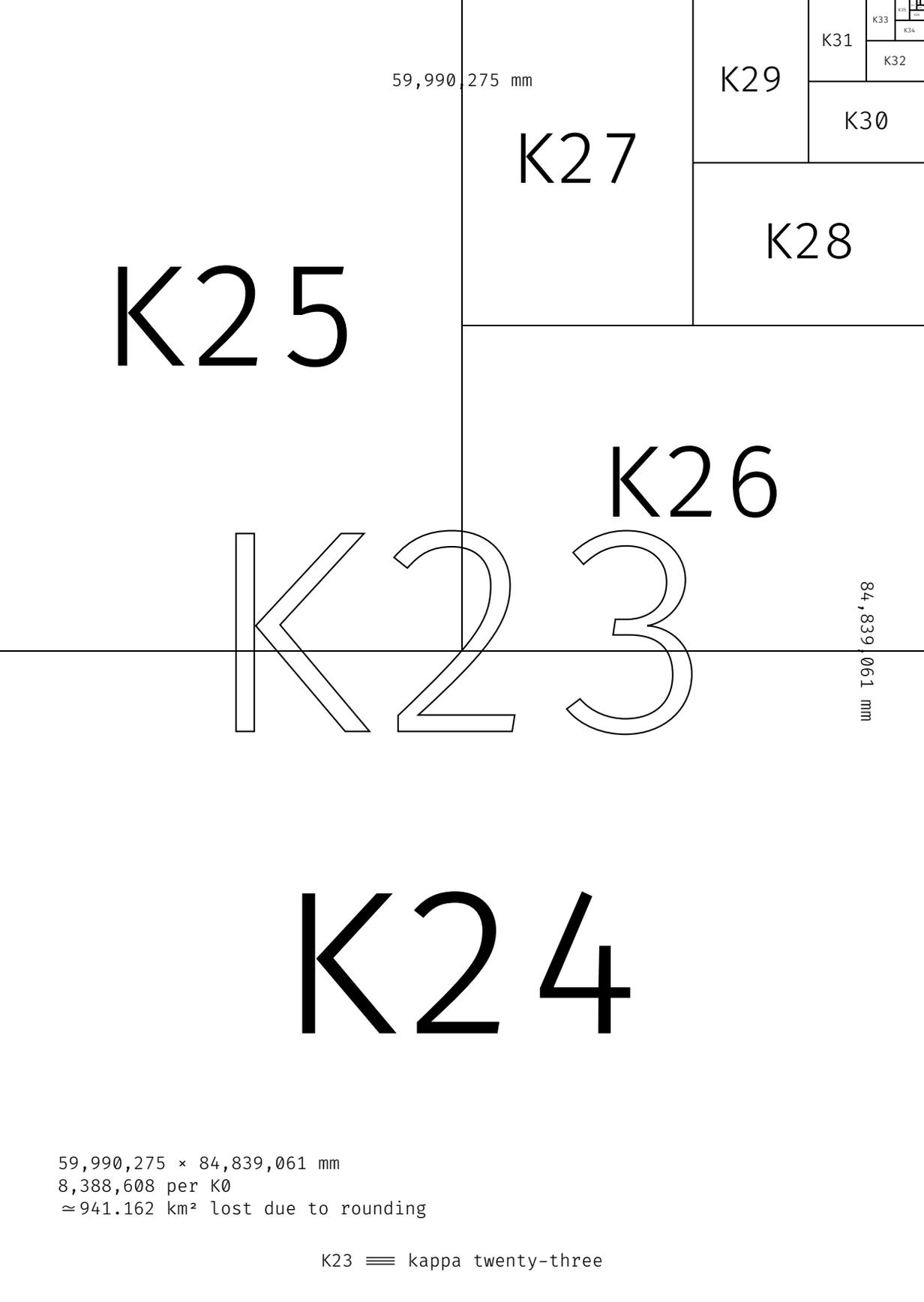K29

K30

K31

K32

K28

K26

K24

K21

169,678,123 mm

K22

119,980,551 × 169,678,123 mm
2,097,152 per K0
≃333.704 km² lost due to rounding

K21 ≡ kappa twenty-one

84,839,061 mm

K26

K28

K30

K31

K32

K33

K29

K27

K24

K25

K22

119,980,551 mm

K23

84,839,061 × 119,980,551 mm
4,194,304 per K0
≃585.322 km² lost due to rounding

K22 ≡ kappa twenty-two

59,990,275 mm

K27

K29

K31

K32
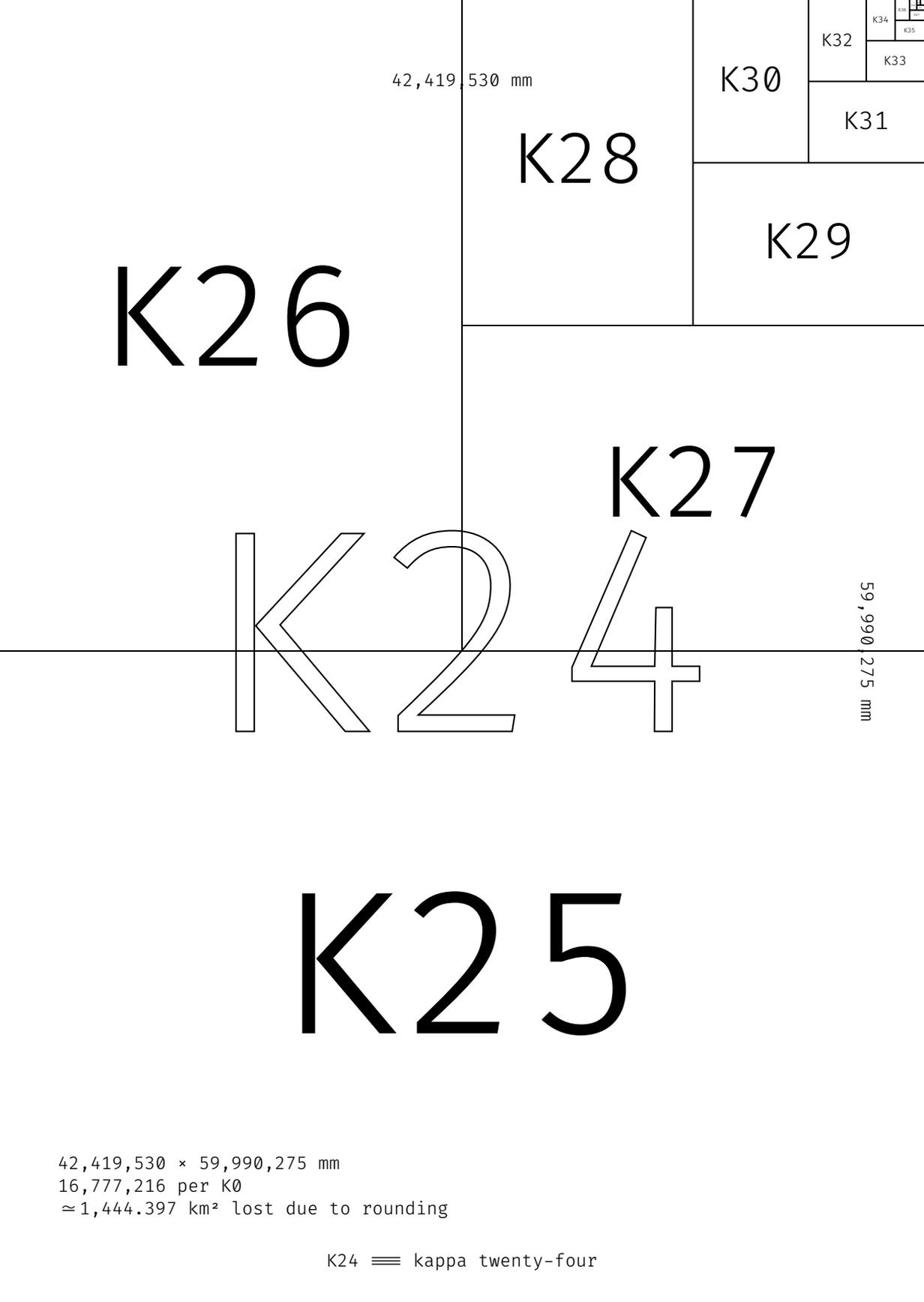
K33

K34

K30

K28

K25

K26

K23

84,839,061 mm

K24

59,990,275 × 84,839,061 mm
8,388,608 per K0
≃941.162 km² lost due to rounding

K23 ≡ kappa twenty-three

42,419,530 mm

K28

K30

K32

K34

K33

K31

K26

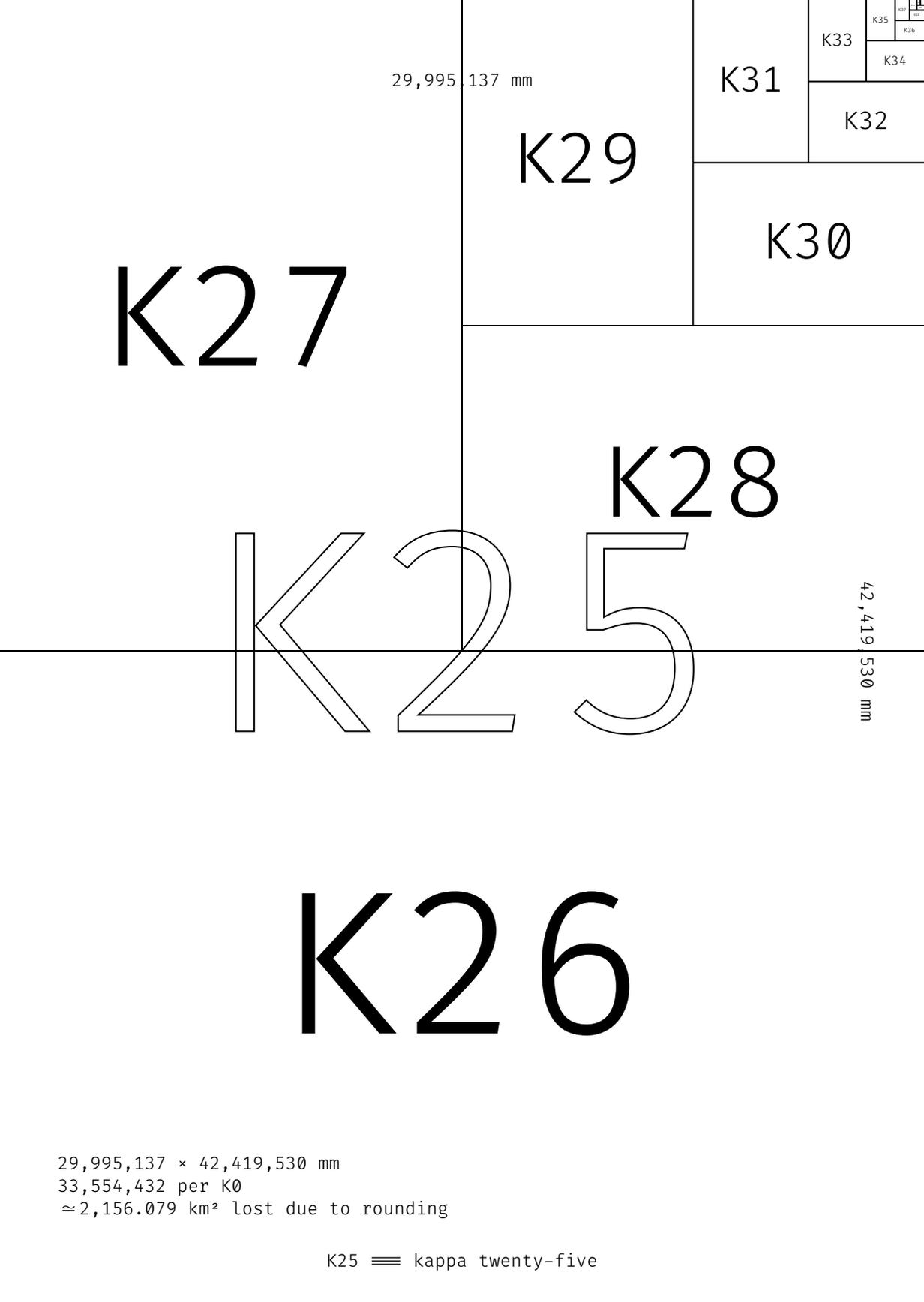K29

K27

K24

59,990,275 mm

K25

42,419,530 × 59,990,275 mm
16,777,216 per K0
≃ 1,444.397 km² lost due to rounding

K24 ≡ kappa twenty-four

29,995,137 mm

K33

K31

K34

K32

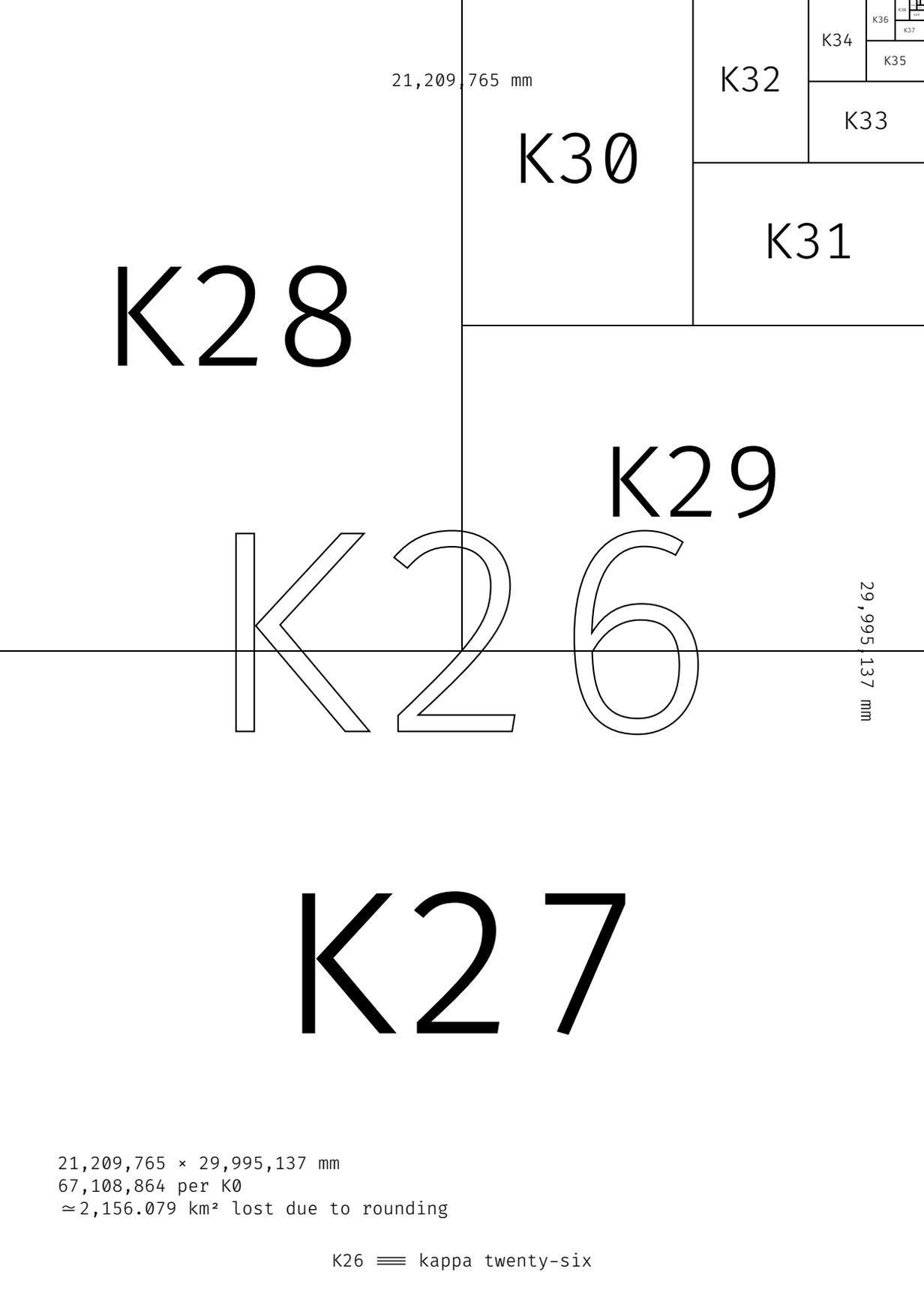K35

K36

K29

K30

K27

K25

K28

42,419,530 mm

K26

29,995,137 × 42,419,530 mm
33,554,432 per K0
≃2,156.079 km² lost due to rounding

K25 ≡ kappa twenty-five

21,209,765 mm

K30

K32
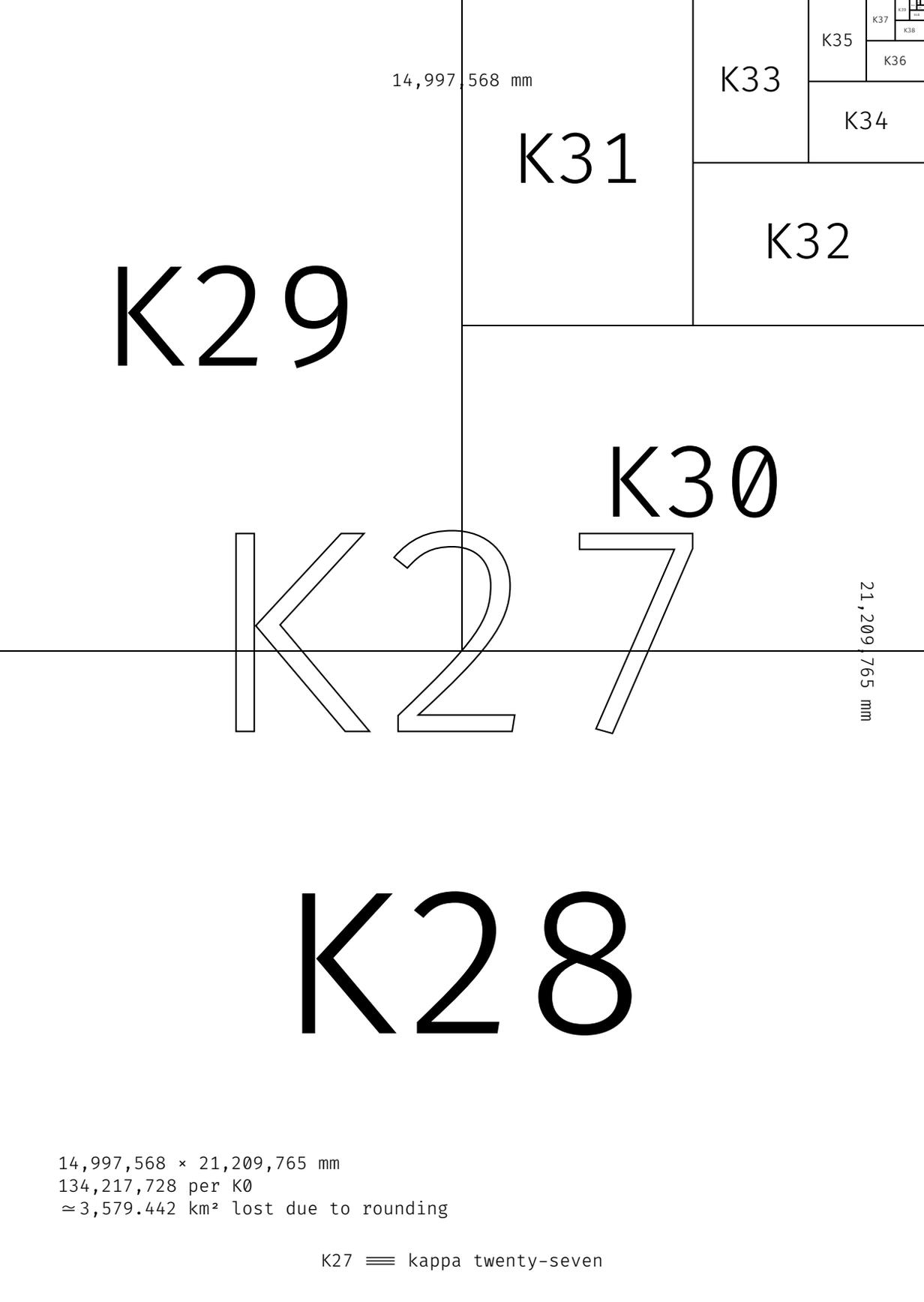
K34

K35

K36

K37

K33

K31

K28

K29

K26

29,995,137 mm

K27

21,209,765 × 29,995,137 mm
67,108,864 per K0
≃2,156.079 km² lost due to rounding

K26 ≡ kappa twenty-six

14,997,568 mm

K31
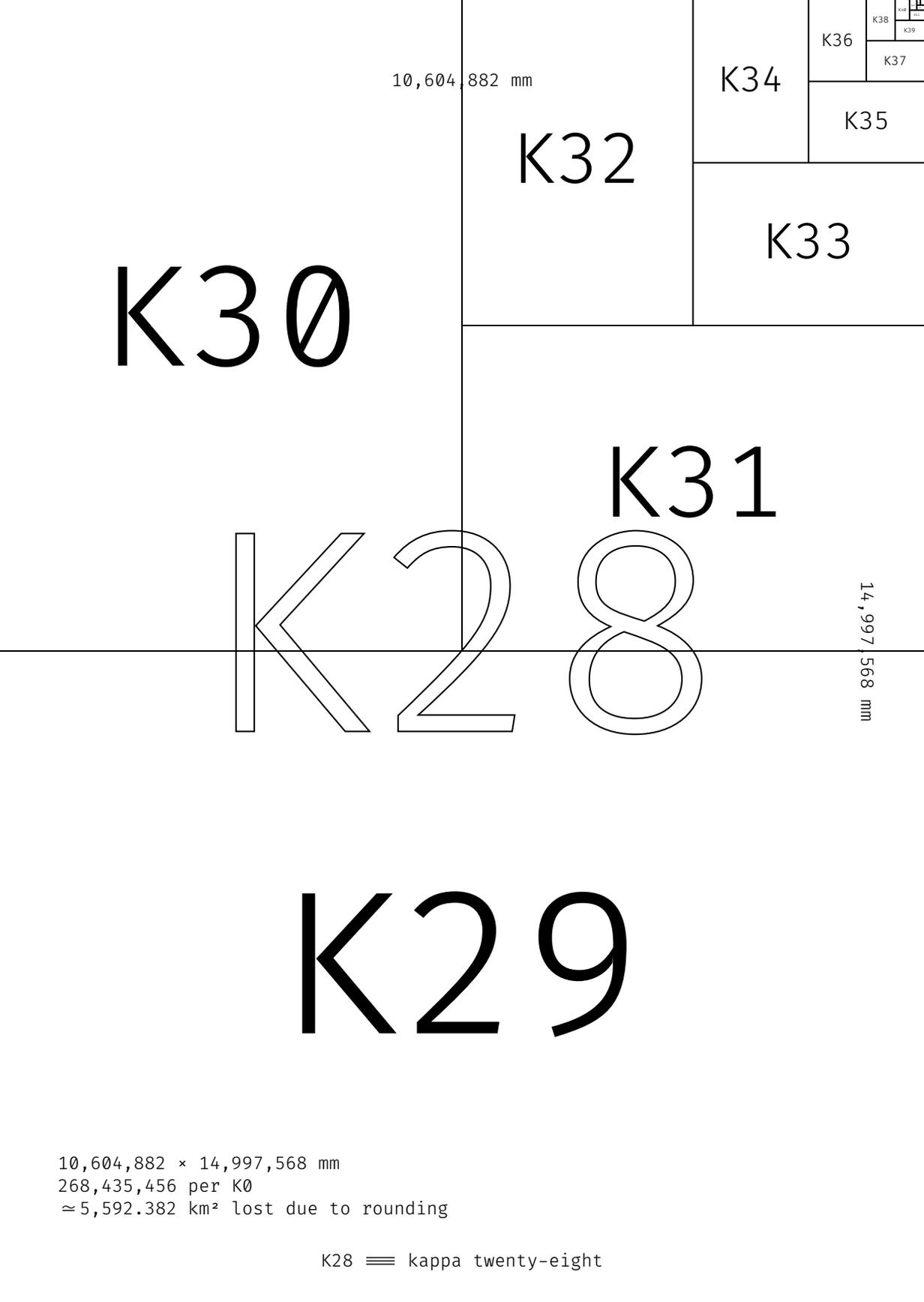
K33

K35

K37

K36

K38

K34

K29

K32

K30

21,209,765 mm

K27

K28

K27 ≡ kappa twenty-seven

14,997,568 × 21,209,765 mm
134,217,728 per K0
≃3,579.442 km² lost due to rounding

10,604,882 mm

K32

K34

K36

K38

K39

K37

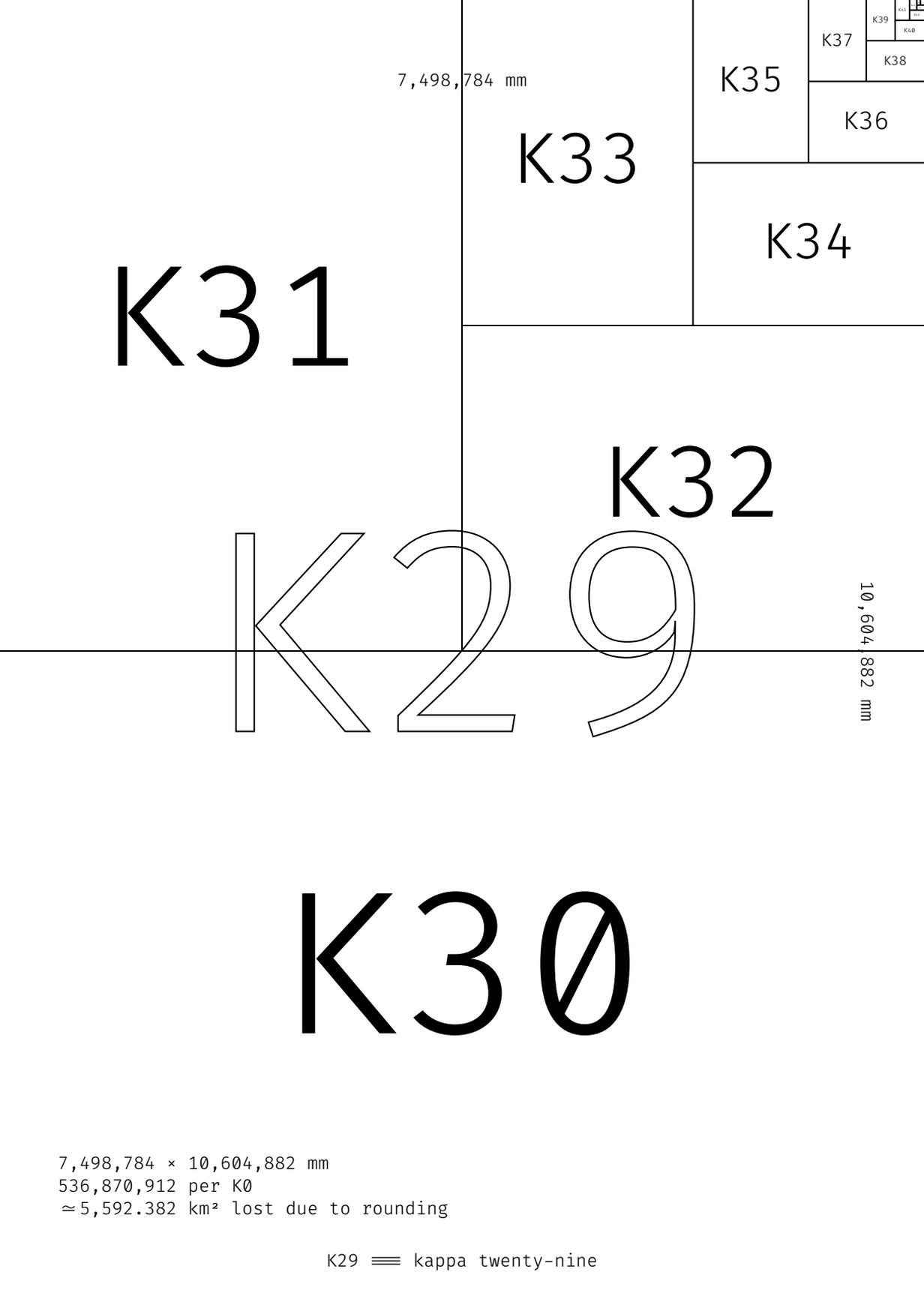K35

K33

K30

K31

K28

14,997,568 mm

K29

10,604,882 × 14,997,568 mm
268,435,456 per K0
≃ 5,592.382 km² lost due to rounding

K28 ≡ kappa twenty-eight

7,498,784 mm

K33

K35

K37

K38

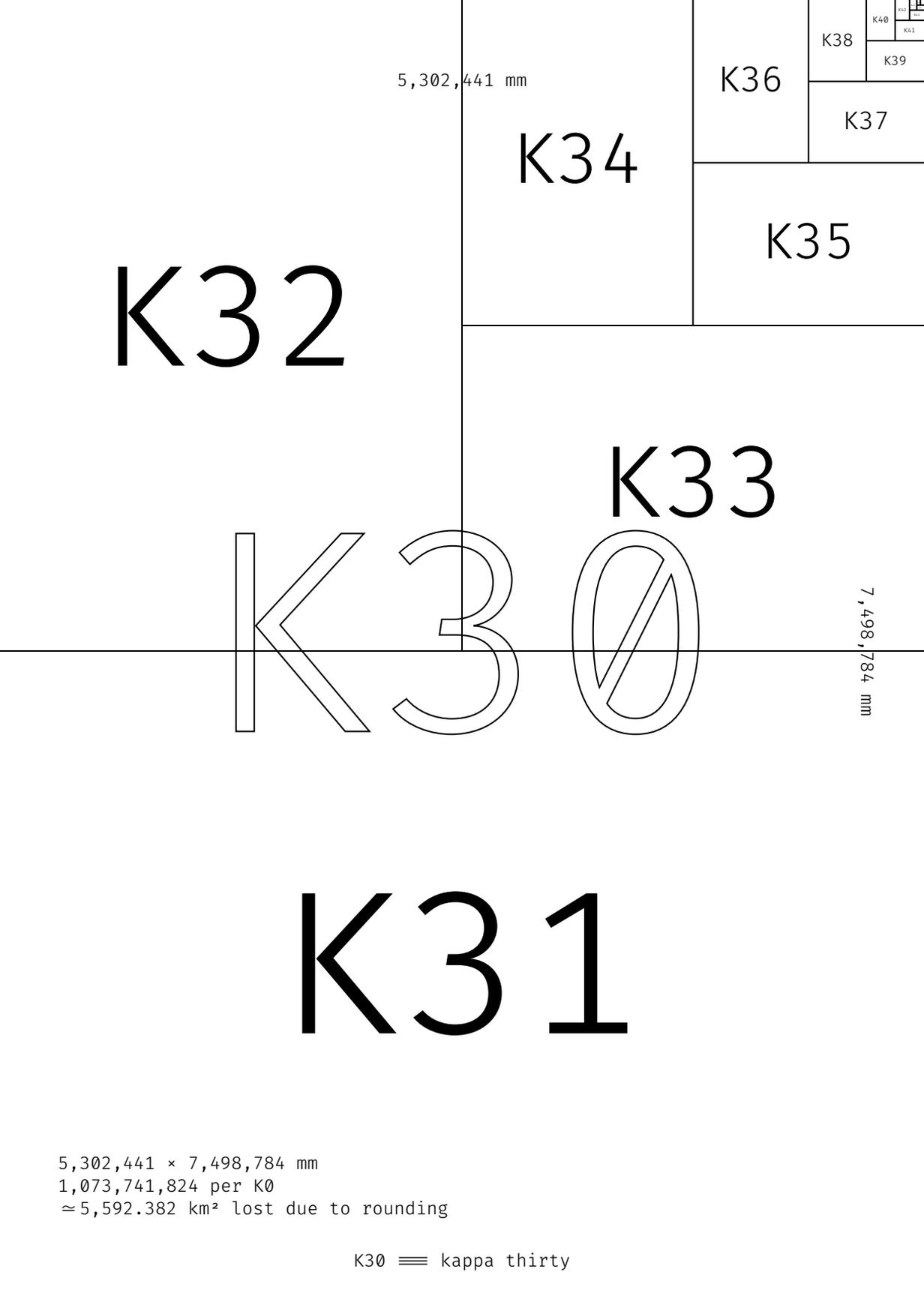K39

K40

K36

K34

K31

K32

K29

10,604,882 mm

K30

7,498,784 × 10,604,882 mm
536,870,912 per K0
≃ 5,592.382 km² lost due to rounding

K29 ≡ kappa twenty-nine
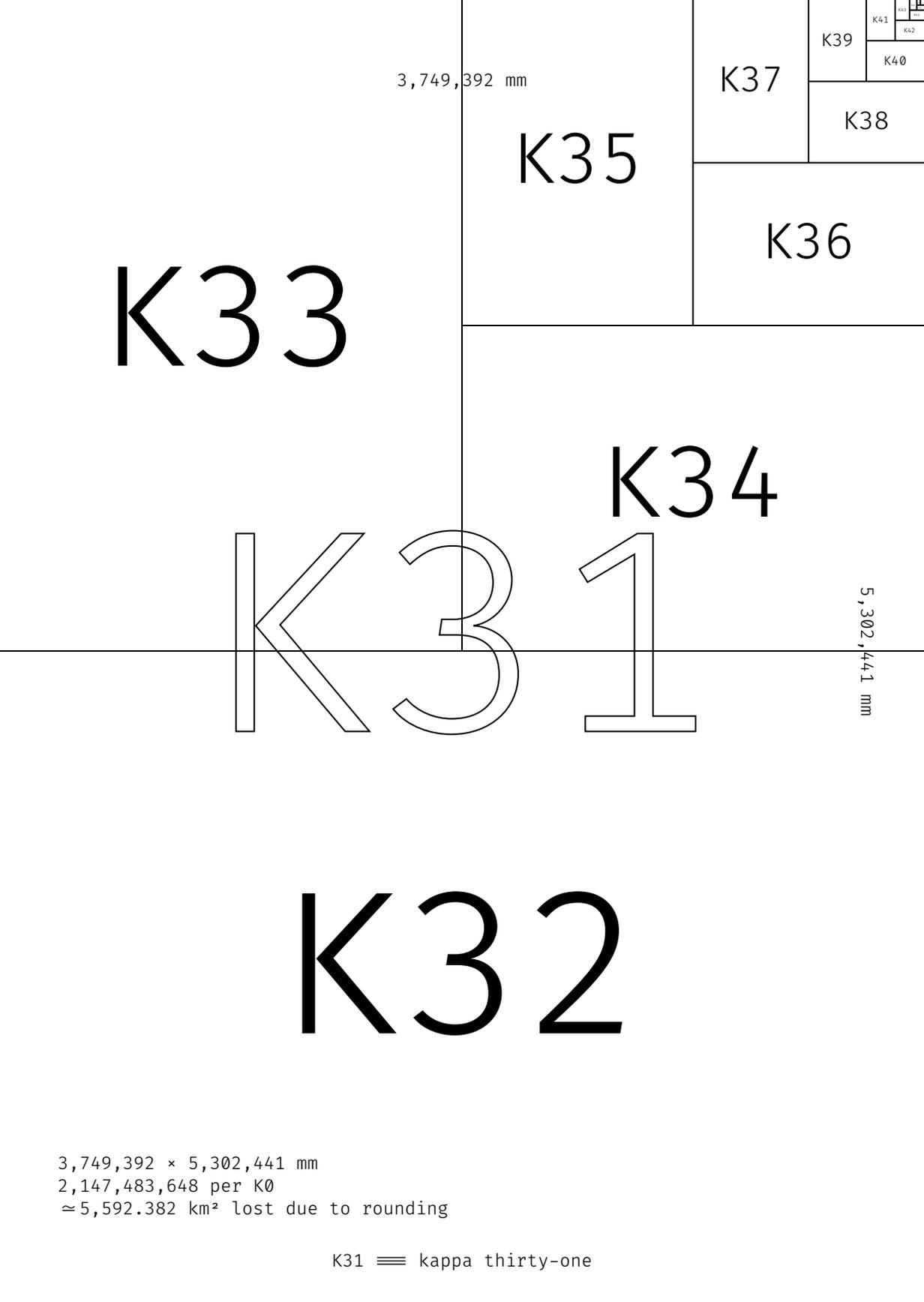
5,302,441 mm

K34

K36

K38

K40

K41

K39

K37

K35

K32

K33

K30

7,498,784 mm

K31

5,302,441 × 7,498,784 mm
1,073,741,824 per K0
≃5,592.382 km² lost due to rounding

K30 ≡ kappa thirty

K35

K37

K39

K40

K41

K42
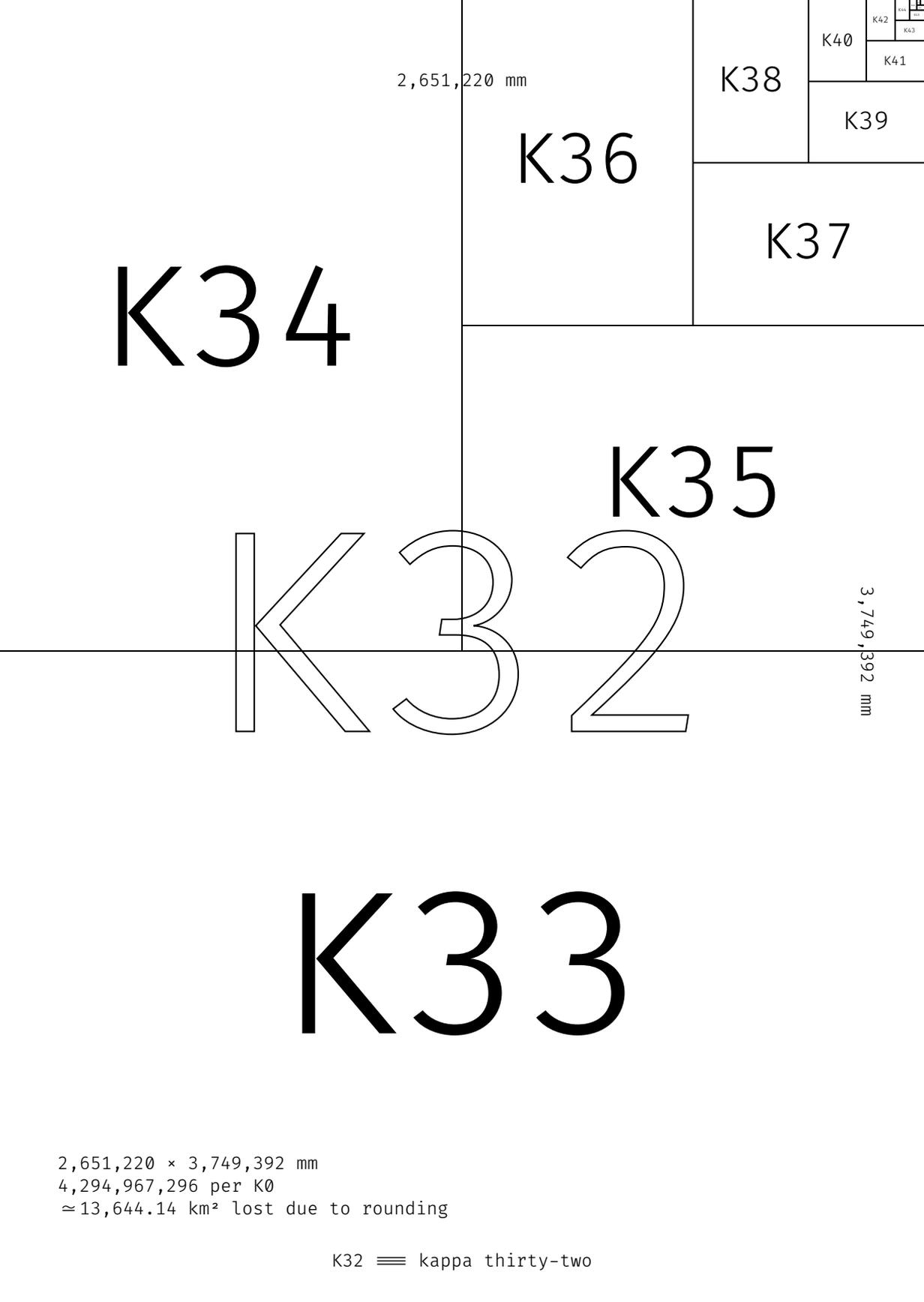
K38

K36

K33

K34

K31

K32

3,749,392 mm

5,302,441 mm

3,749,392 × 5,302,441 mm
2,147,483,648 per K0
≃5,592.382 km² lost due to rounding

K31 ≡ kappa thirty-one

K40

K42

K43

K38
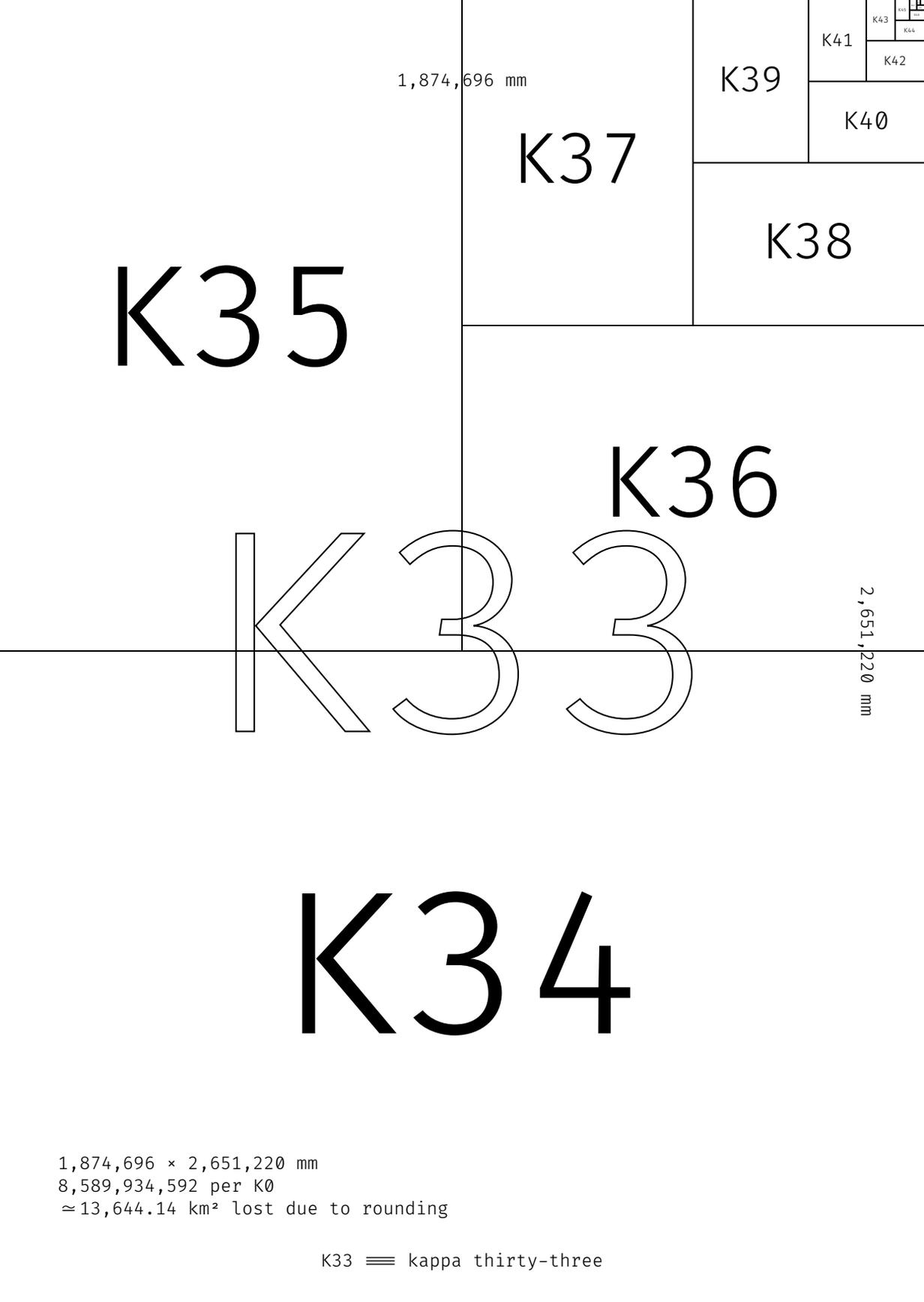
K41

K39

K36

K37

K34

K35

K32

3,749,392 mm

K33

2,651,220 × 3,749,392 mm
4,294,967,296 per K0
≃13,644.14 km² lost due to rounding

K32 ≡ kappa thirty-two

1,874,696 mm

K41

K43

K44

K39
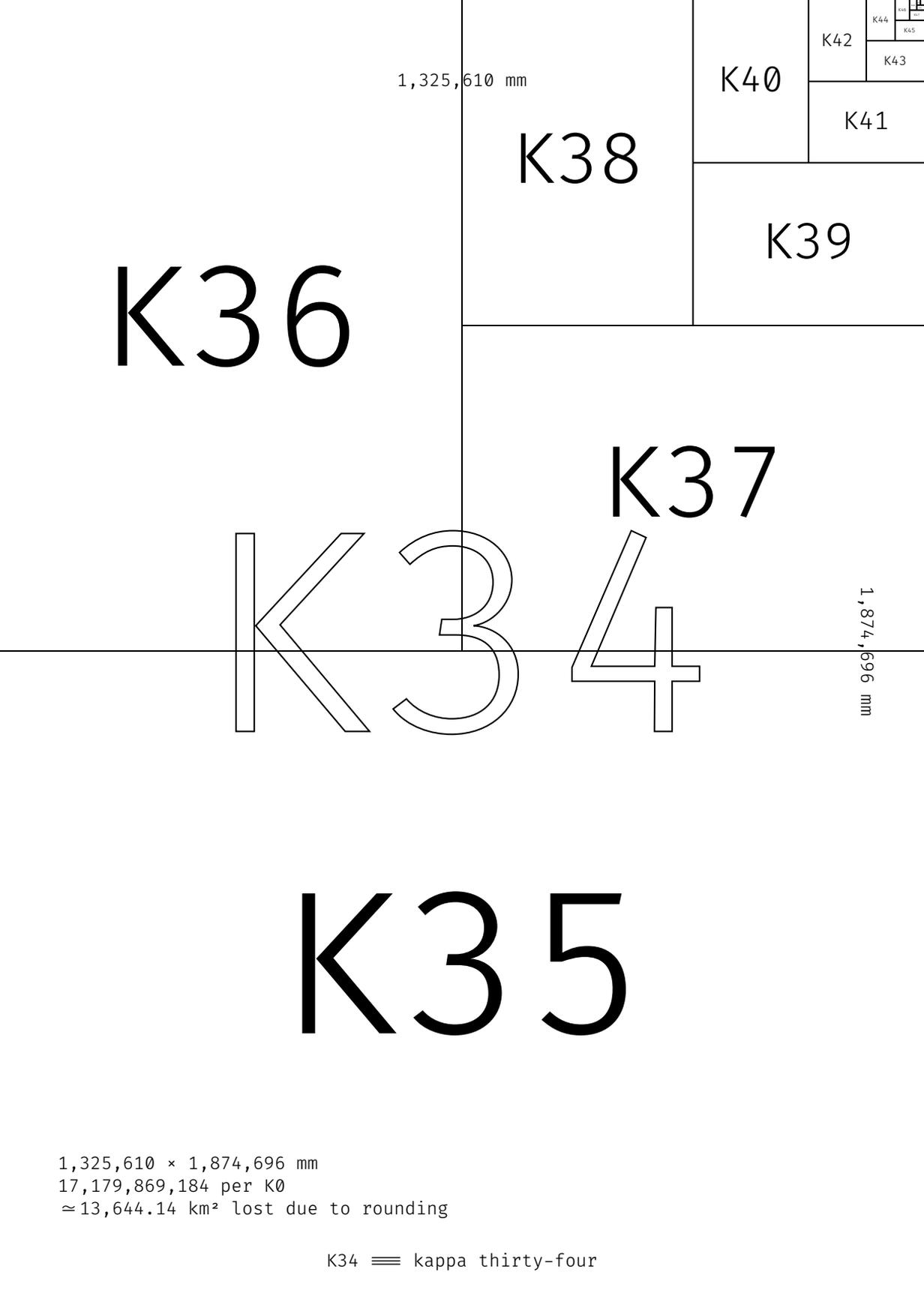
K42

K37

K40

K35

K38

K36

K33

2,651,220 mm

K34

1,874,696 × 2,651,220 mm
8,589,934,592 per K0
≃13,644.14 km² lost due to rounding

K33 ≡ kappa thirty-three

1,325,610 mm

K42

K44

K45

K40

K43

K38

K41

K36

K39

K37

K34

1,874,696 mm
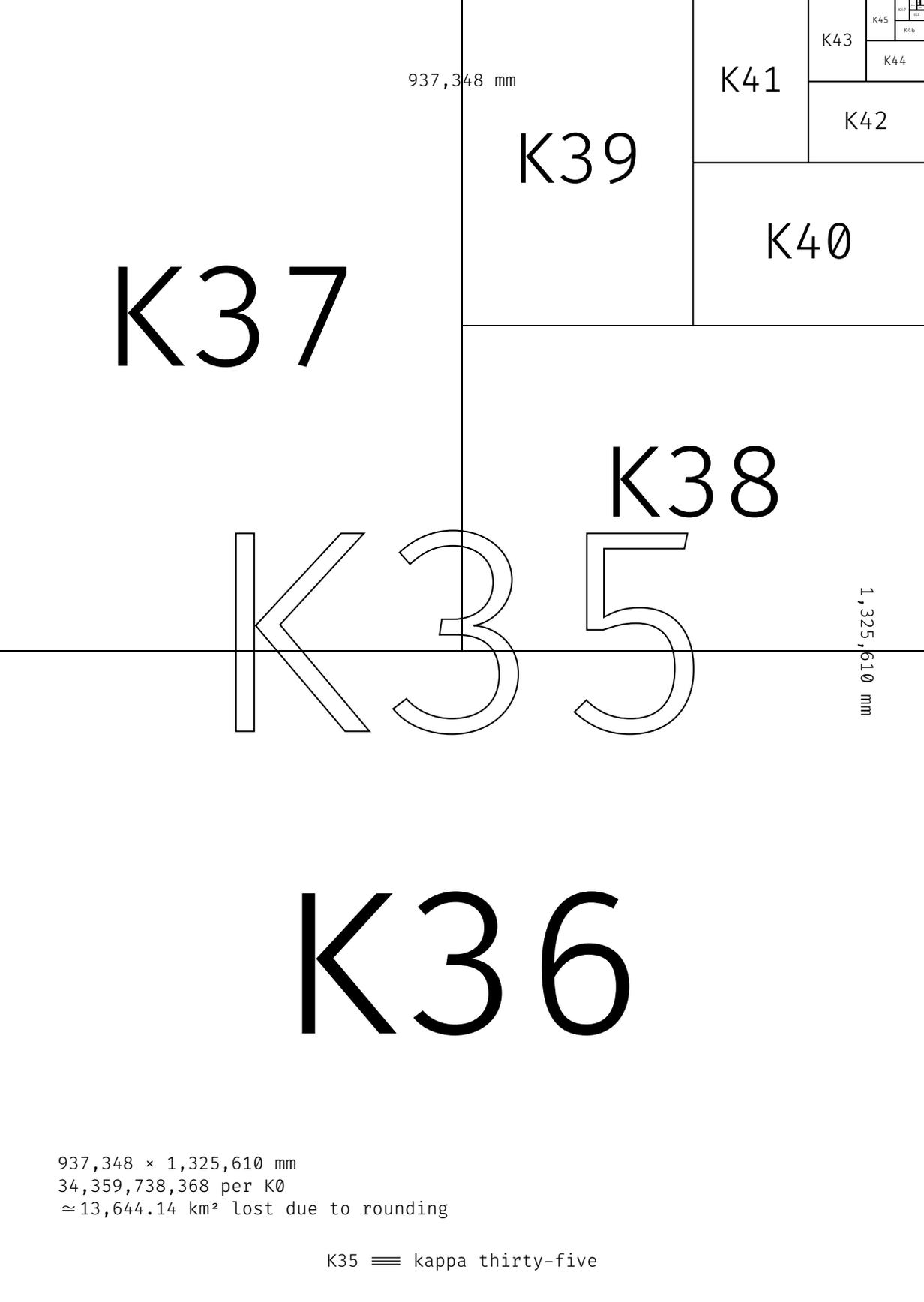
K35

1,325,610 × 1,874,696 mm
17,179,869,184 per K0
≃13,644.14 km² lost due to rounding

K34 ≡ kappa thirty-four

937,348 mm

K43

K41
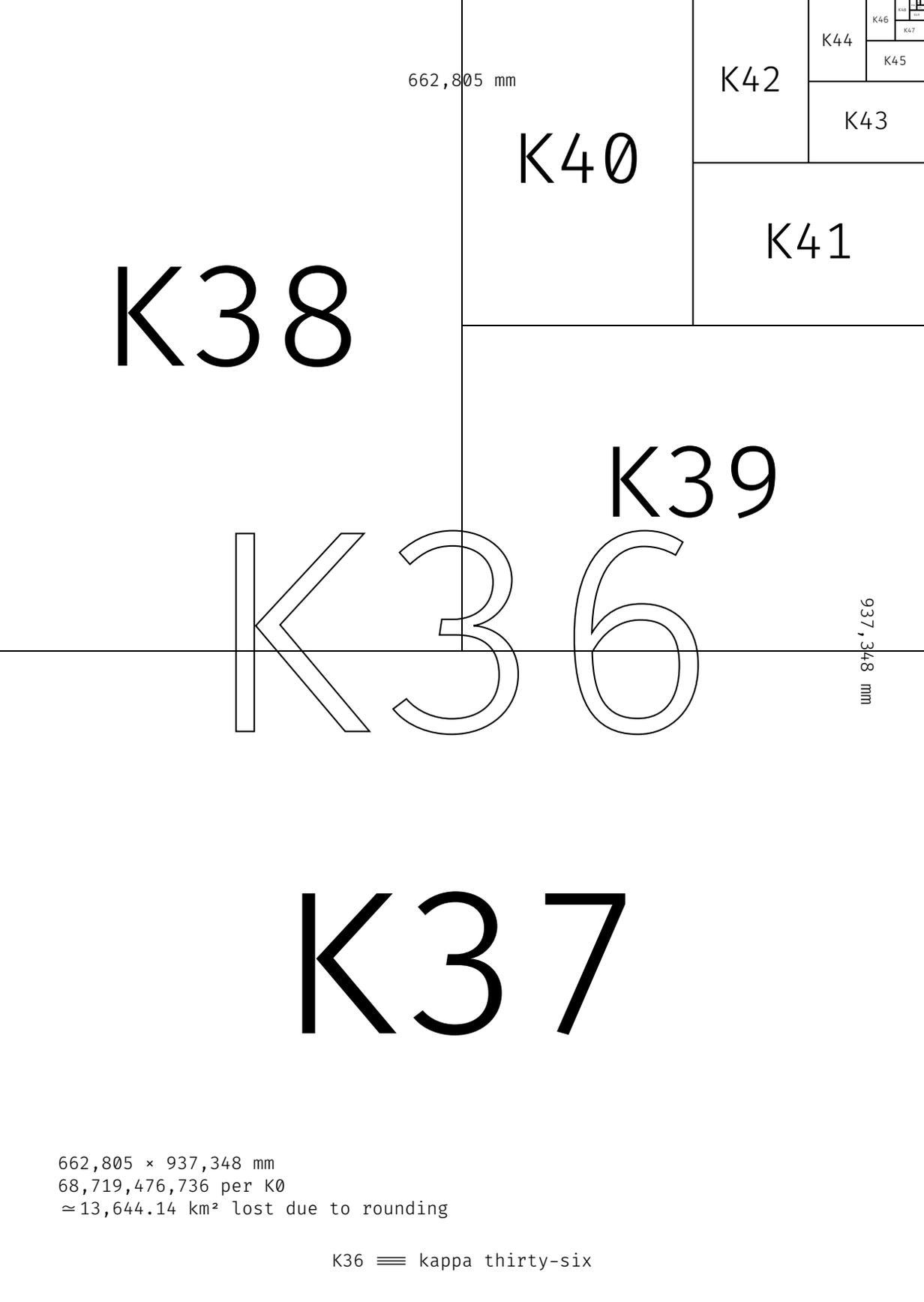
K44

K45

K46

K39

K42

K37

K40

K38

K35

1,325,610 mm

K36

937,348 × 1,325,610 mm
34,359,738,368 per K0
≃13,644.14 km² lost due to rounding

K35 ≡ kappa thirty-five
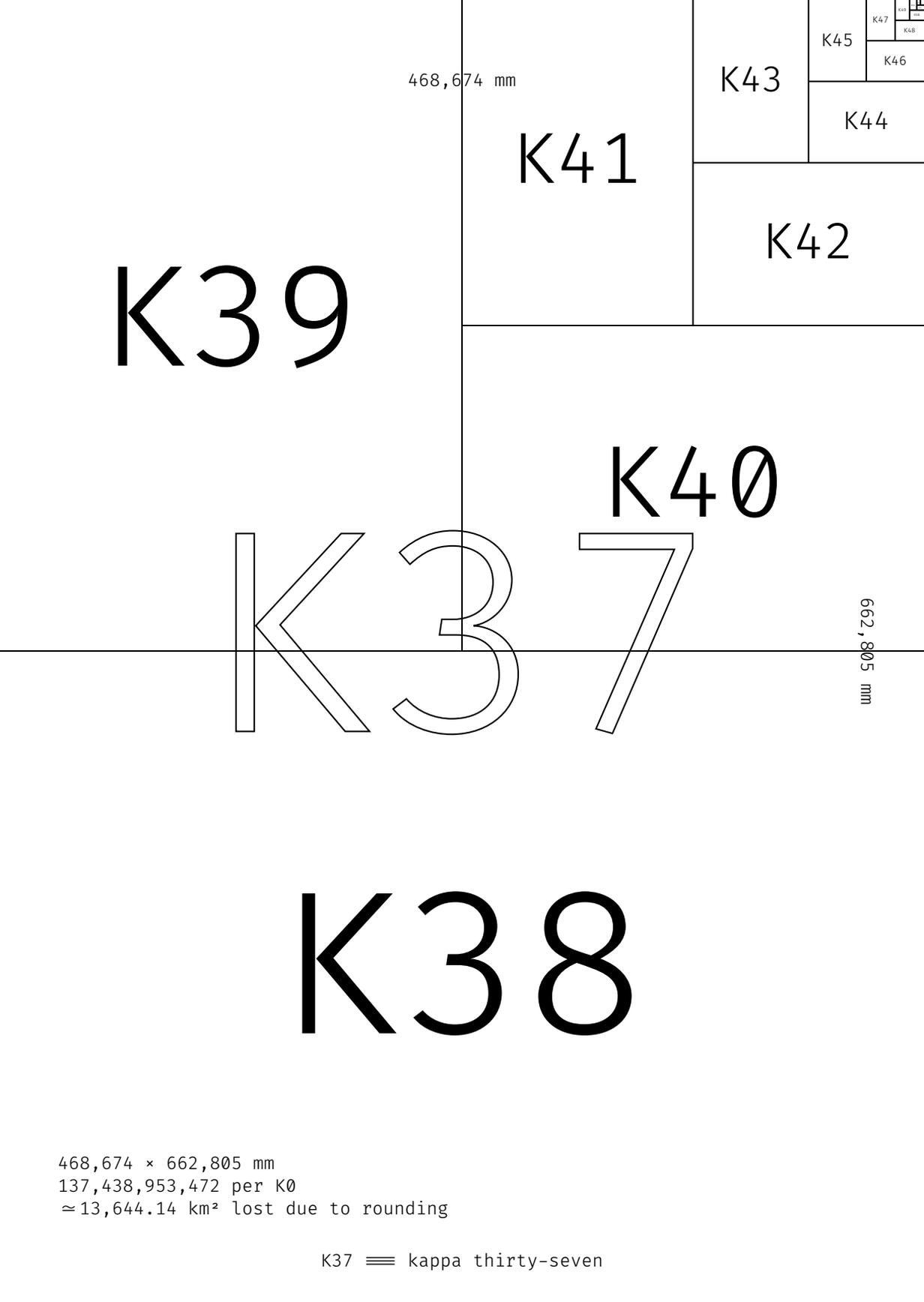
K46

K44

K42

K45

K47

K40

K43

K38

K41

K39

K36

K37

662,805 × 937,348 mm
68,719,476,736 per K0
≃13,644.14 km² lost due to rounding

K36 ≡ kappa thirty-six

468,674 mm
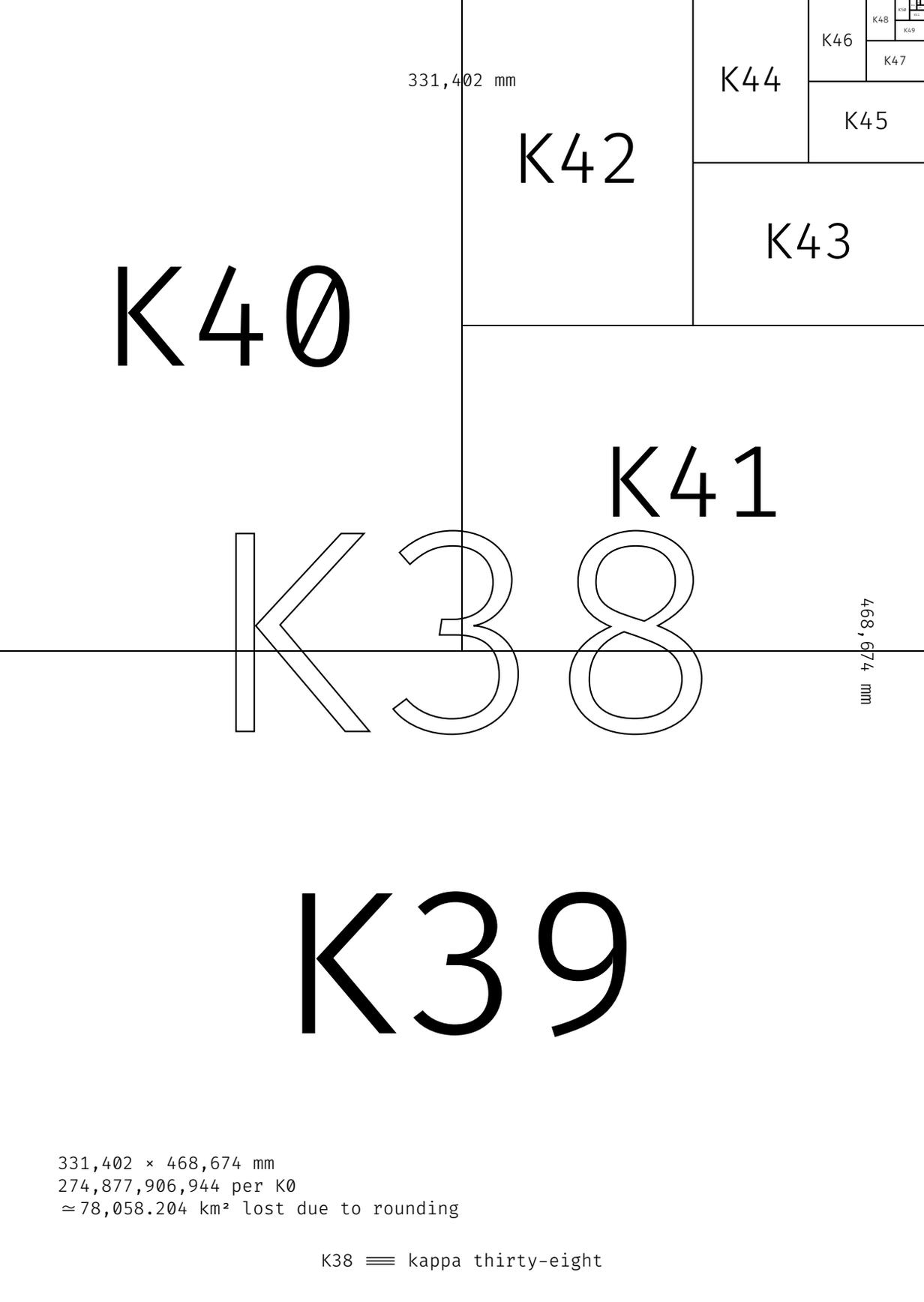
K41

K43

K45

K47

K46

K48

K44

K39

K42

K40

K37

662,805 mm

K38

468,674 × 662,805 mm
137,438,953,472 per K0
≃13,644.14 km² lost due to rounding

K37 ≡ kappa thirty-seven

331,402 mm
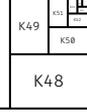
K42

K44

K46
K47

K45

K48
K49

K40

K43

K41

K38

468,674 mm

K39

331,402 × 468,674 mm
274,877,906,944 per K0
≃78,058.204 km² lost due to rounding

K38 ≡ kappa thirty-eight

234,337 mm
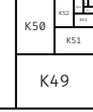
K43

K45

K47

K48

K49

K50

K46

K41

K44

K42

K39

331,402 mm

K40

234,337 × 331,402 mm
549,755,813,888 per K0
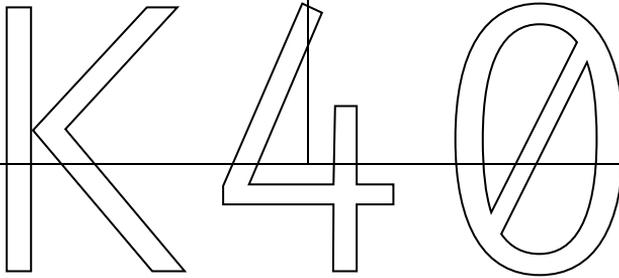≃78,058.204 km² lost due to rounding

K39 ≡ kappa thirty-nine

K48

K46

K50

K51

K47

165,701 mm

K44
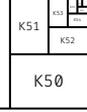
K45

K42

K43

K40

234,337 mm

K41

165,701 × 234,337 mm
1,099,511,627,776 per K0
≃78,058.204 km² lost due to rounding

K40 ≡ kappa forty

K49

K51

K52

K47

K50

K45

K48

K46

K43

117,168 mm
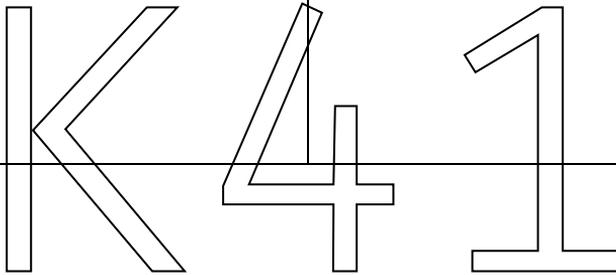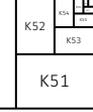
K44

K41

165,701 mm

K42

117,168 × 165,701 mm
2,199,023,255,552 per K0
≃260,248.38 km² lost due to rounding

K41 ≡ kappa forty-one
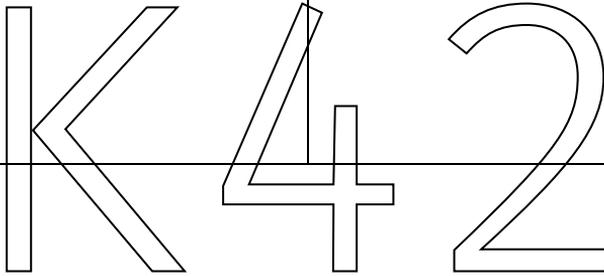
82,850 mm
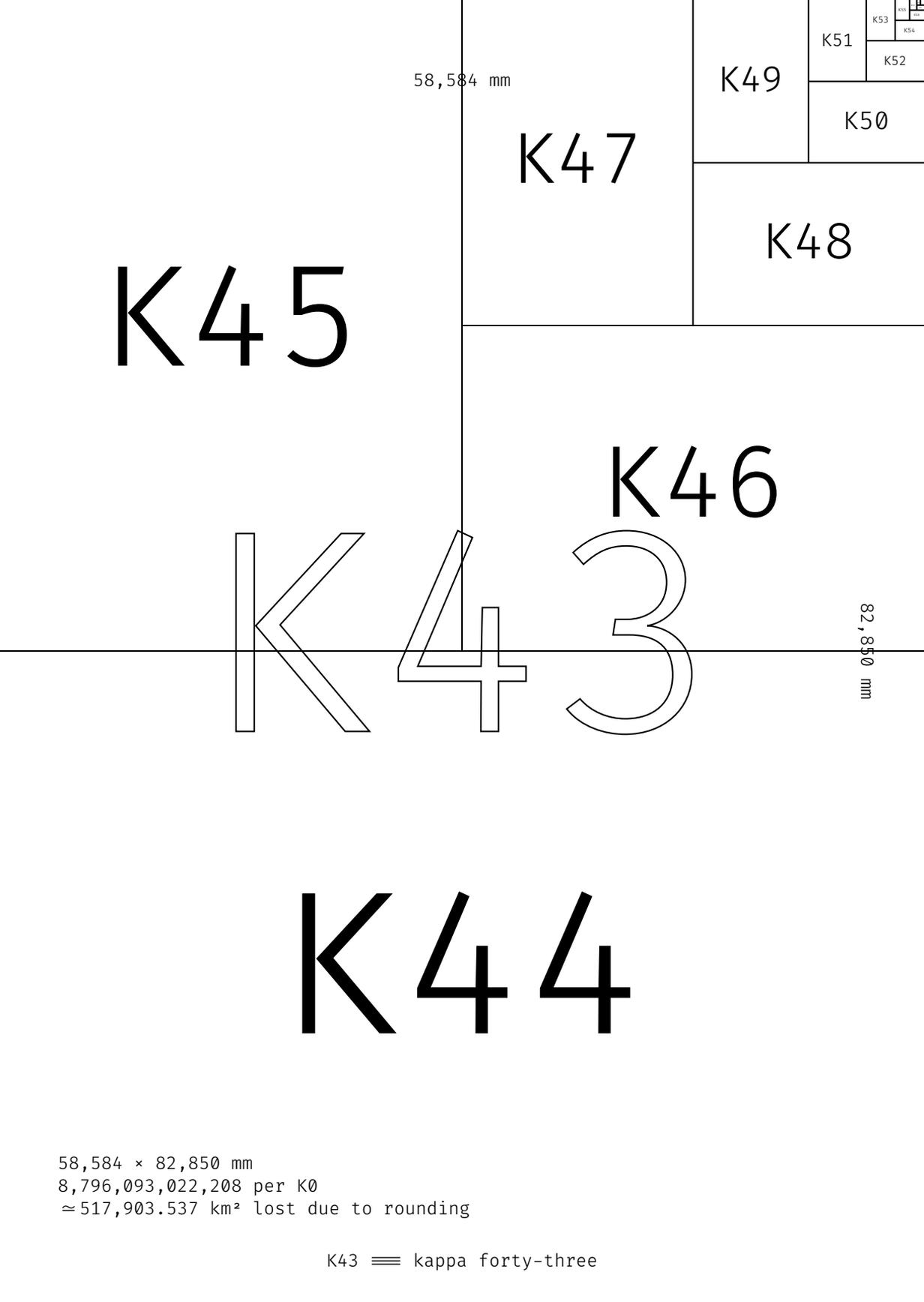
K46

K48

K50

K51

K52

K53

K49

K47

K44

K45

K42

117,168 mm

K43

82,850 × 117,168 mm
4,398,046,511,104 per K0
≃ 517,903.537 km² lost due to rounding

K42 ≡ kappa forty-two

58,584 mm

K47

K49

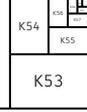K51

K53

K54

K52

K50

K45

K48

K46

K43

82,850 mm

K44

58,584 × 82,850 mm
8,796,093,022,208 per K0
≃517,903.537 km² lost due to rounding

K43 ≡ kappa forty-three
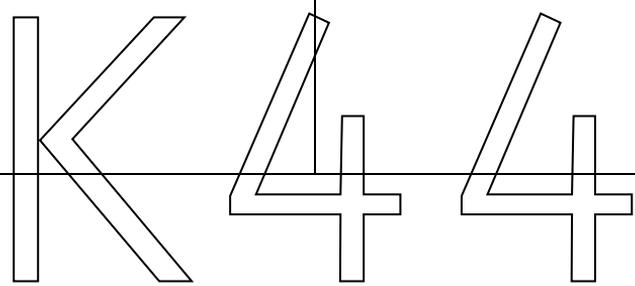
41,425 mm

K48

K50

K52

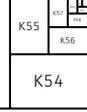K54

K53

K51

K46

K49

K47

K44

58,584 mm

K45

41,425 × 58,584 mm
17,592,186,044,416 per K0
≃ 517,903.537 km² lost due to rounding
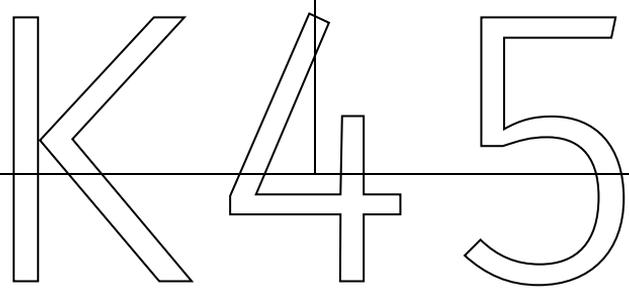
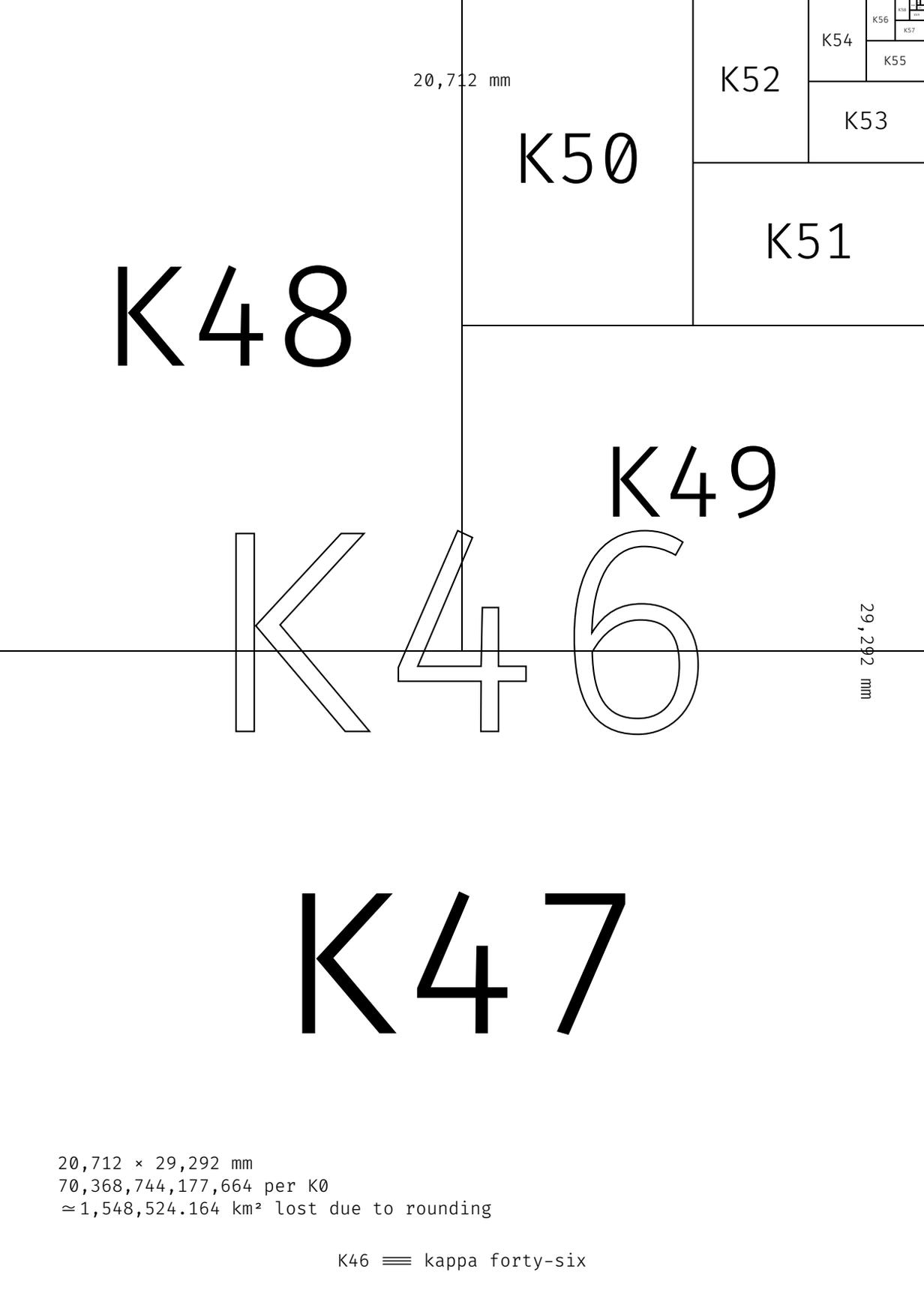K44 ≡ kappa forty-four

29,292 mm

K49

K51

K53

K55 | K56
K54

K52

K50

K47

K48

K45

41,425 mm

K46

29,292 × 41,425 mm
35,184,372,088,832 per K0
≃517,903.537 km² lost due to rounding

K45 ≡ kappa forty-five

20,712 mm

K50

K52

K54
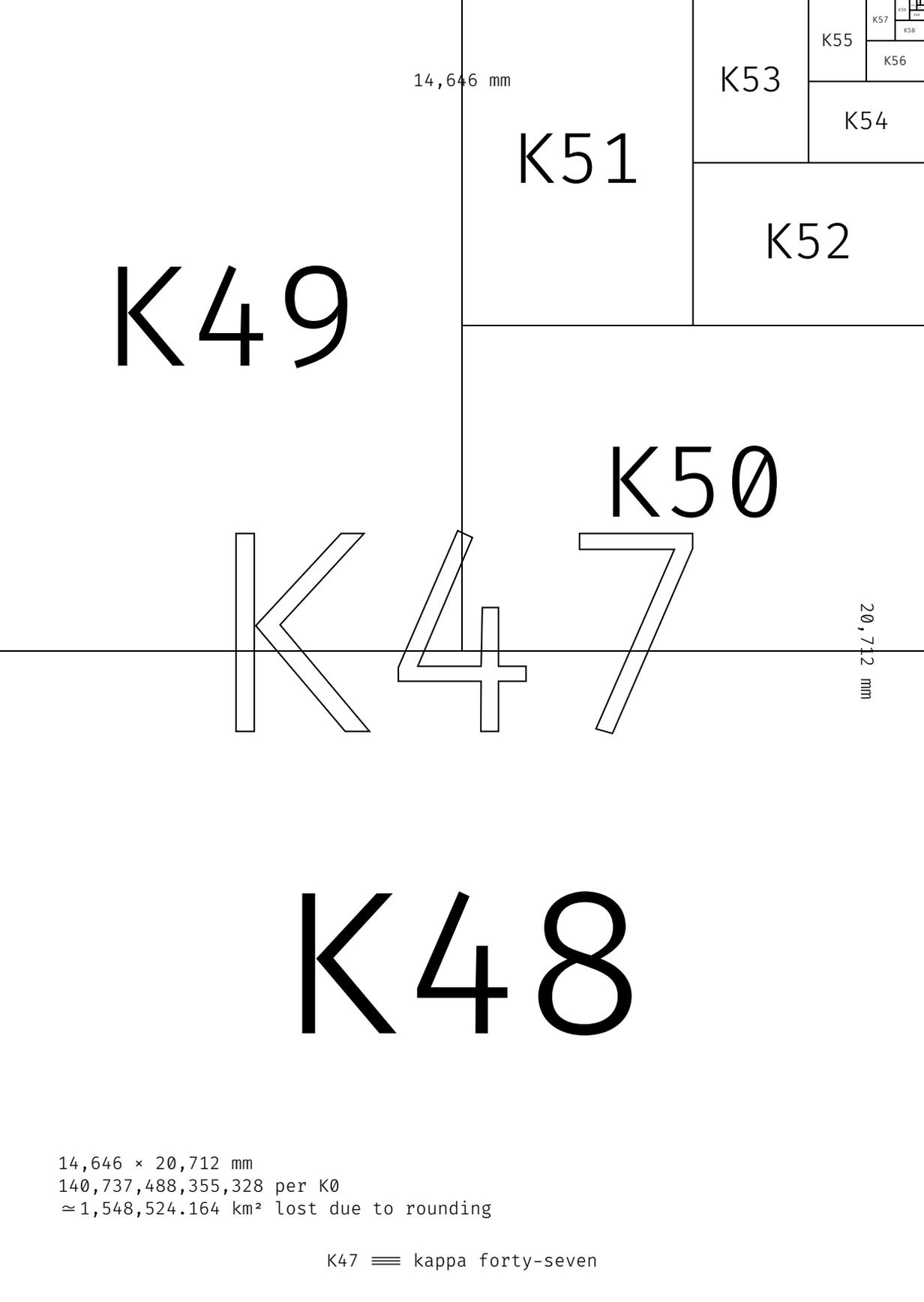
K55

K56

K57

K53

K48

K51

K49

K46

29,292 mm

K47

20,712 × 29,292 mm
70,368,744,177,664 per K0
≃1,548,524.164 km² lost due to rounding

K46 ≡ kappa forty-six

14,646 mm

K51

K53

K55

K56

K57
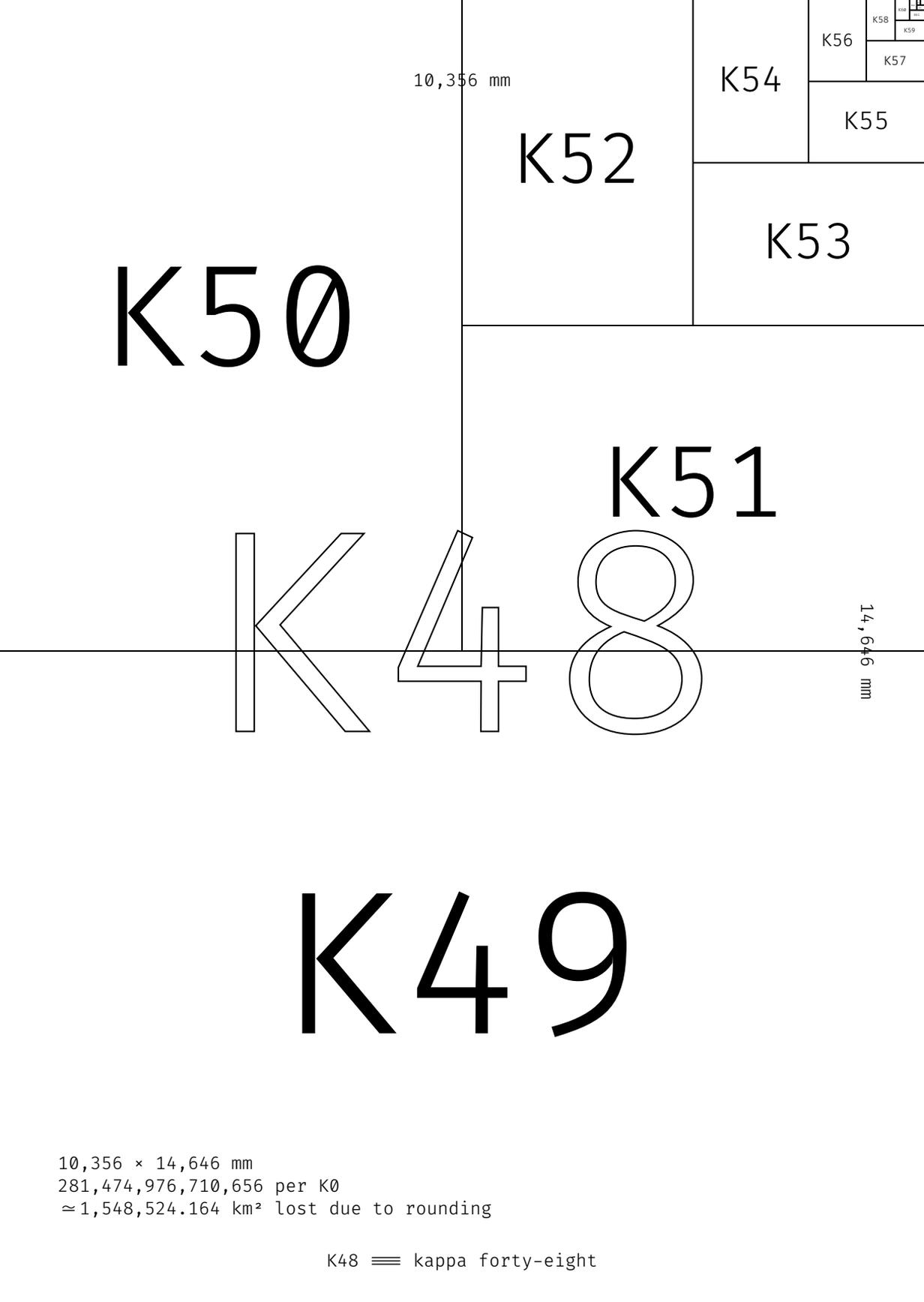
K58

K54

K49

K52

K50

K47

20,712 mm

K48

14,646 × 20,712 mm
140,737,488,355,328 per K0
≃1,548,524.164 km² lost due to rounding

K47 ≡ kappa forty-seven

10,356 mm

14,646 mm

K52

K54

K56
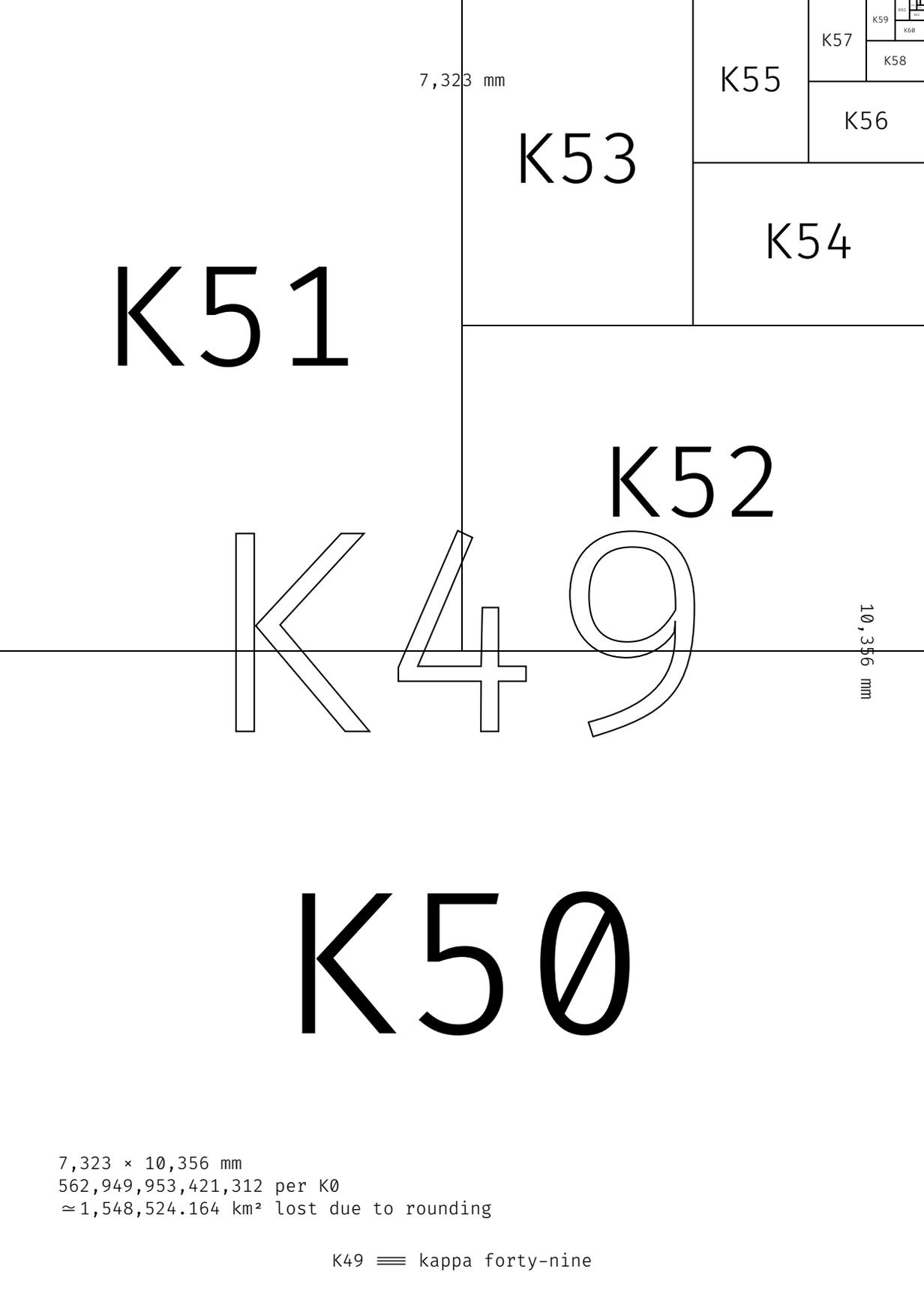
K58
K59

K57

K55

K50

K53

K51

K48

K49

10,356 × 14,646 mm
281,474,976,710,656 per K0
≃ 1,548,524.164 km² lost due to rounding

K48 ≡ kappa forty-eight

7,323 mm

K53

K55
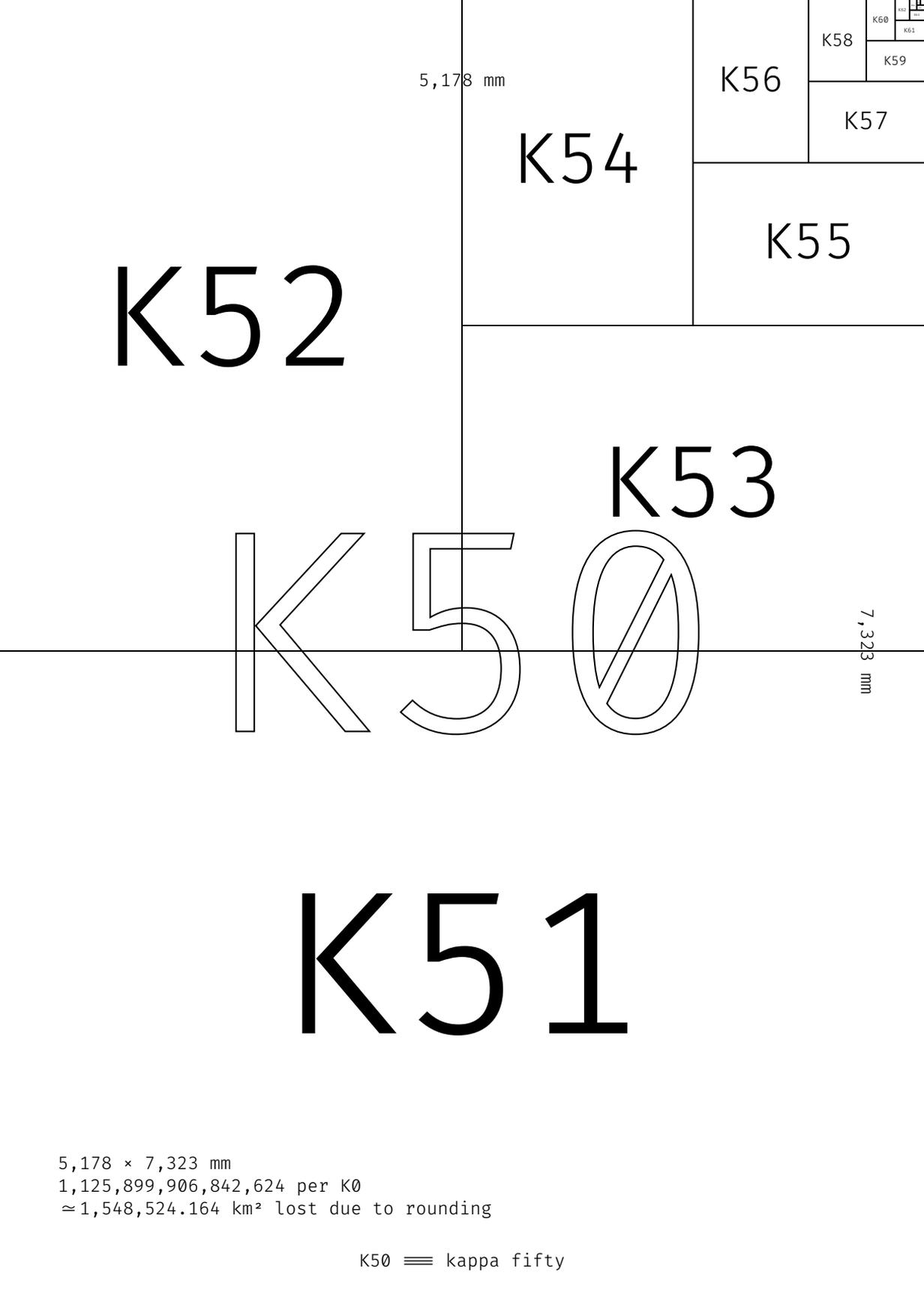
K57

K59
K60

K58

K56

K51

K54

K52

K49

10,356 mm

K50

7,323 × 10,356 mm
562,949,953,421,312 per K0
≃1,548,524.164 km² lost due to rounding

K49 ≡ kappa forty-nine

5,178 mm

K54

K56

K58

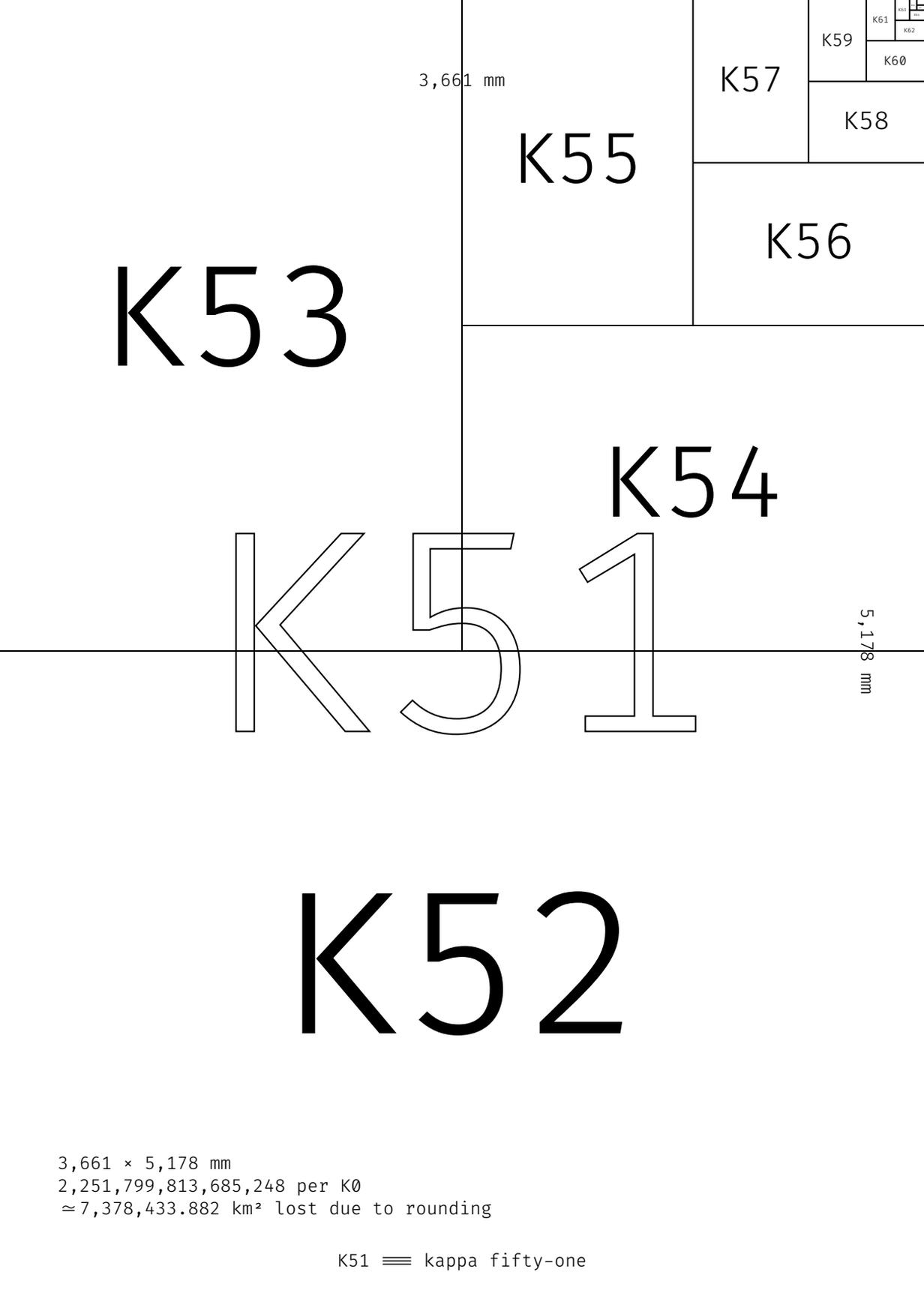K59

K60

K61

K57

K55

K52

K53

K50

7,323 mm

K51

5,178 × 7,323 mm
1,125,899,906,842,624 per K0
≃ 1,548,524.164 km² lost due to rounding

K50 ≡ kappa fifty

3,661 mm

K55
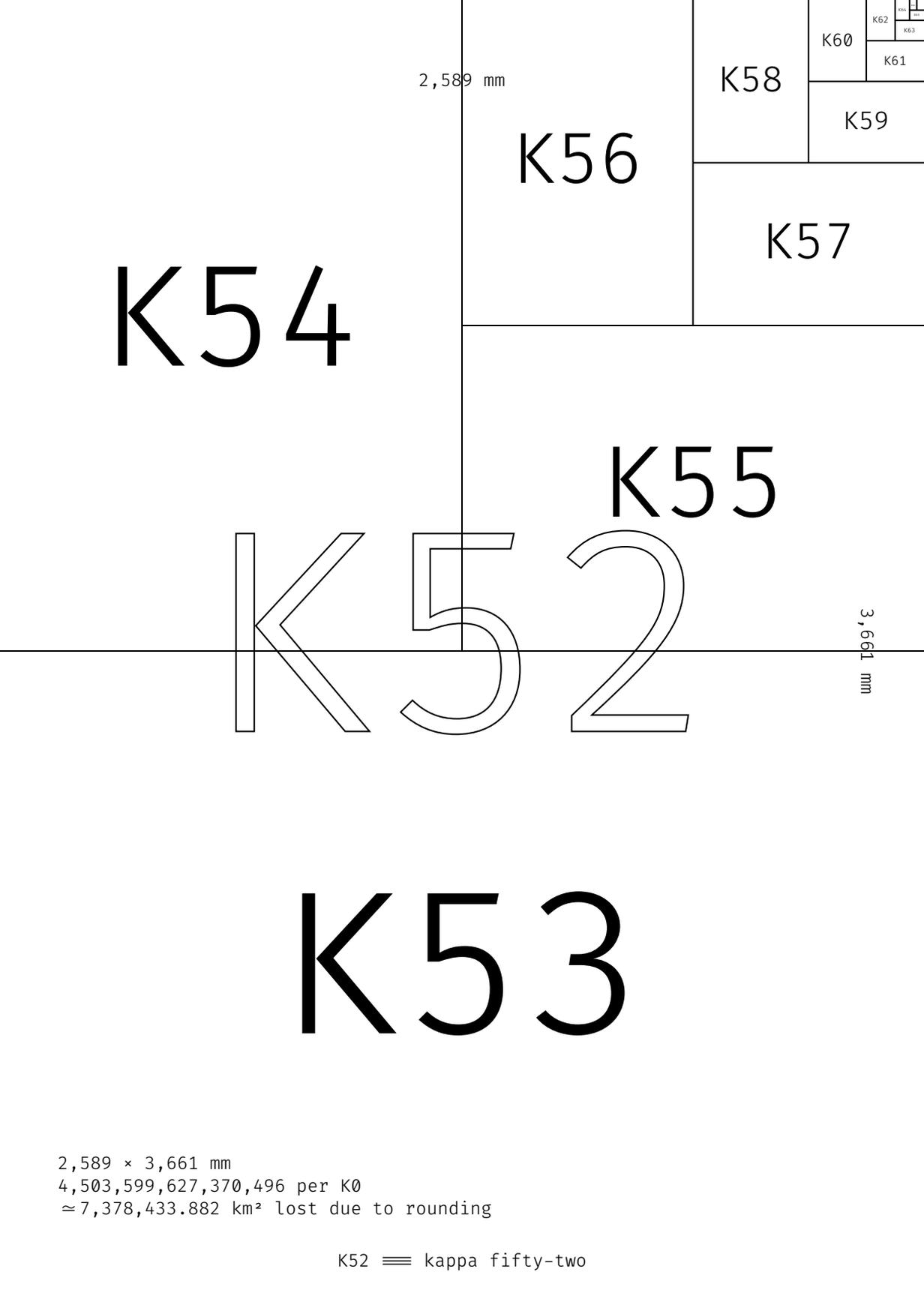
K57

K59

K61

K62

K60

K58

K53

K56

K54

K51

5,178 mm

K52

3,661 × 5,178 mm
2,251,799,813,685,248 per K0
≃ 7,378,433.882 km² lost due to rounding

K51 ≡ kappa fifty-one

2,589 mm

K56

K54

K58

K60

K62
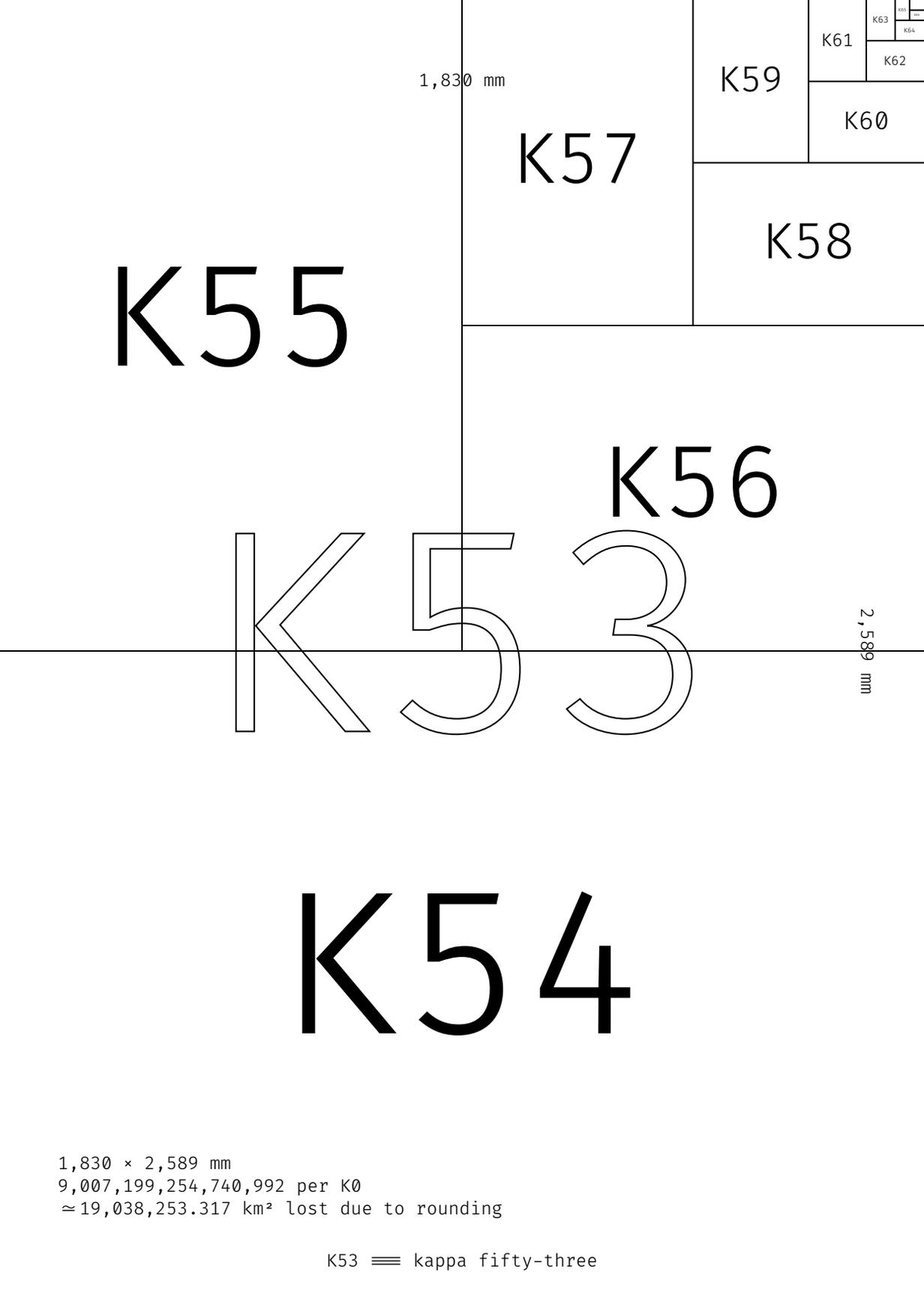
K63

K61

K59

K57

K55

K52

3,661 mm

K53

2,589 × 3,661 mm
4,503,599,627,370,496 per K0
≃ 7,378,433.882 km² lost due to rounding

K52 ≡ kappa fifty-two

1,830 mm

K57

K59
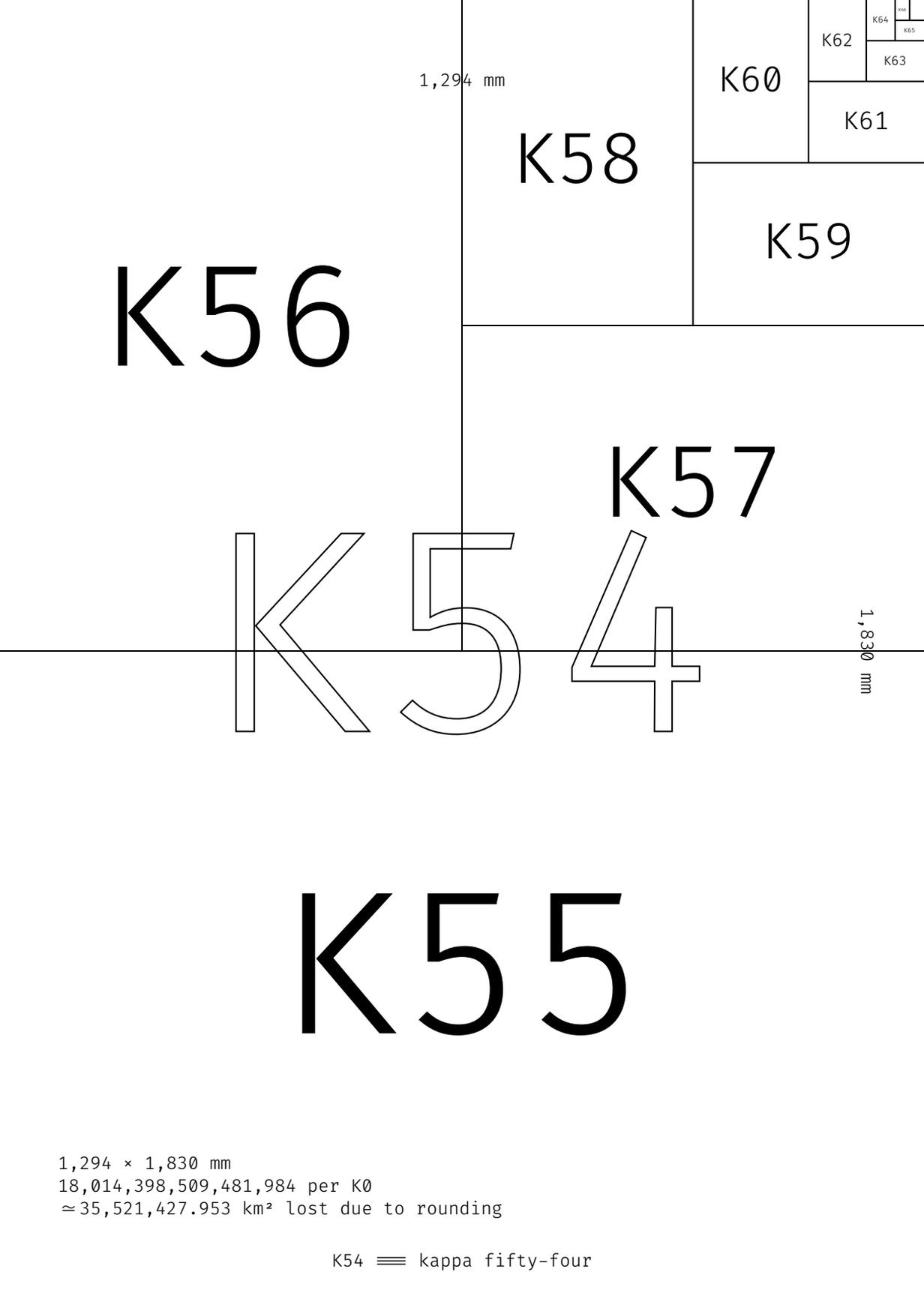
K61

K63
K64

K62

K60

K55

K58

K56

K53

2,589 mm

K54

1,830 × 2,589 mm
9,007,199,254,740,992 per K0
≃ 19,038,253.317 km² lost due to rounding

K53 ≡ kappa fifty-three

K58

K64
K65

K62

K63

K60

K61

K59

K56
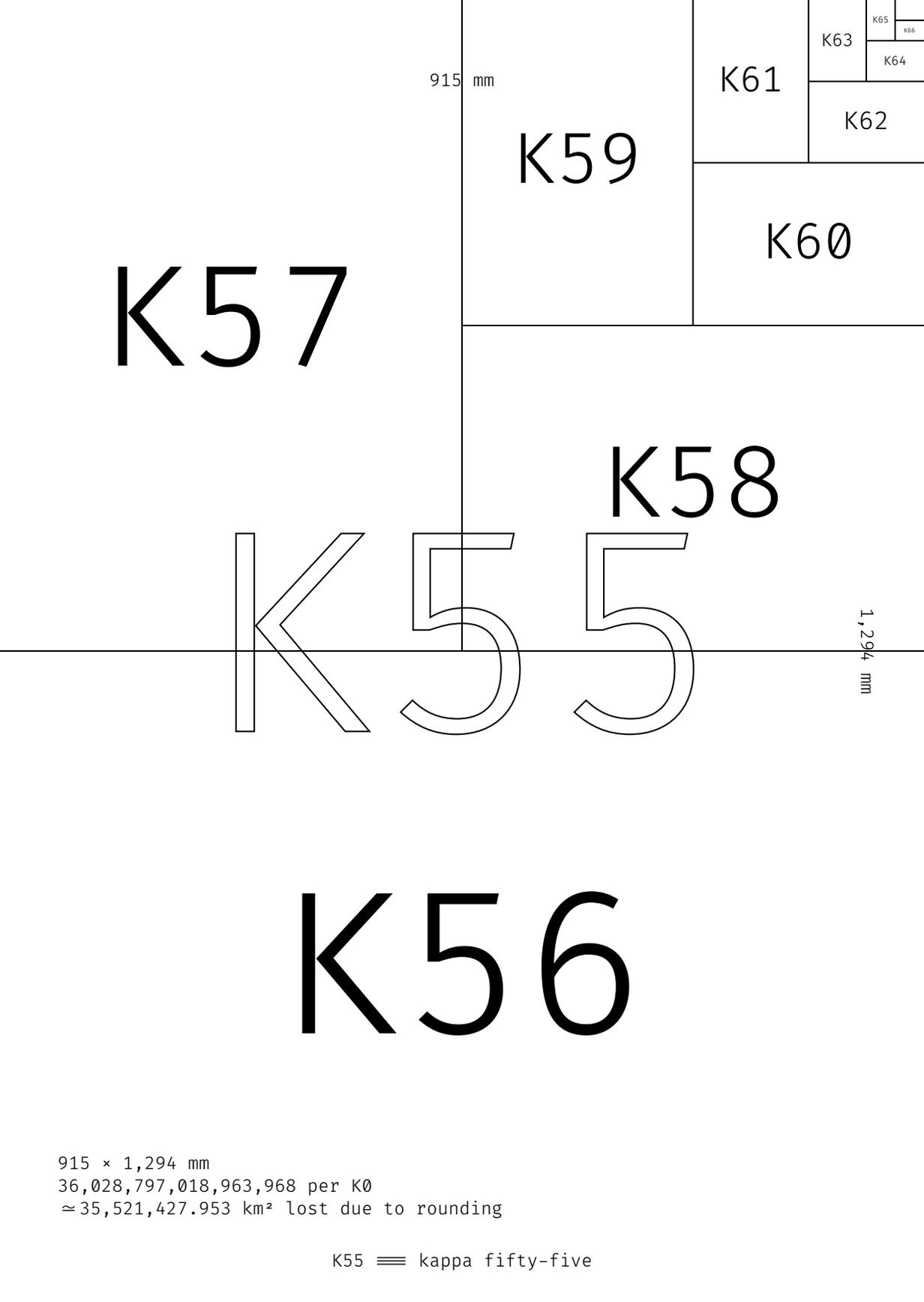
K57

K54

1,294 mm

1,830 mm

K55

1,294 × 1,830 mm
18,014,398,509,481,984 per K0
≃35,521,427.953 km² lost due to rounding

K54 ≡ kappa fifty-four

915 mm

K59

K61

K63

K65

K66

K64

K62

K60

K57

K58

K55

1,294 mm

K56

915 × 1,294 mm
36,028,797,018,963,968 per K0
≃35,521,427.953 km² lost due to rounding

K55 ≡ kappa fifty-five

647 mm

K60

K62

K64

K66

K65

K63

K61

K58

K59

K56

915 mm

K57

647 × 915 mm
72,057,594,037,927,936 per K0
≃35,521,427.953 km² lost due to rounding

K56 ≡ kappa fifty-six

K59

457 mm

K61

K63

K65

K66

K64

K62

K60

K57

647 mm

K58

457 × 647 mm
144,115,188,075,855,872 per K0
≃82,142,691.296 km² lost due to rounding

K57 ≡ kappa fifty-seven

323 mm

K66

K64

K65

K62

K63

K60

K61

K58

457 mm

K59

323 × 457 mm
288,230,376,151,711,744 per K0
≃ 148,003,332.246 km² lost due to rounding

K58 ≡ kappa fifty-eight

228 mm

K63

K65

K66

K61

K64

K62

K59

323 mm

K60

228 × 323 mm
576,460,752,303,423,488 per K0
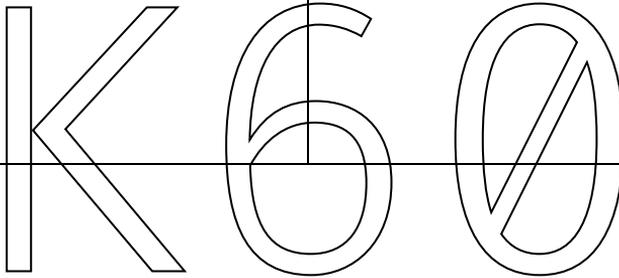≃ 241,101,743.743 km² lost due to rounding
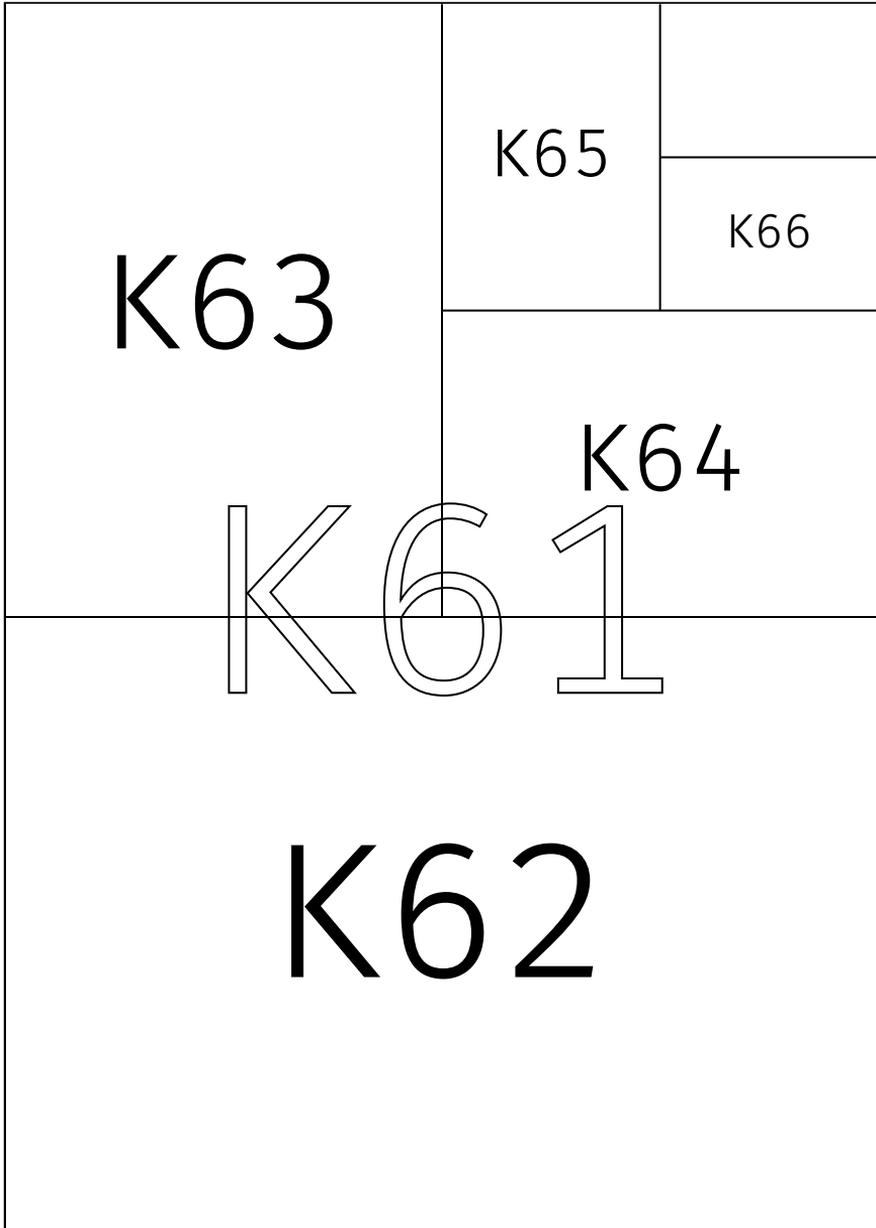
K59 ≡ kappa fifty-nine

K64

K66

K65

161 mm

K62

K63

K60

228 mm

K61

161 × 228 mm
1,152,921,504,606,846,976 per K0
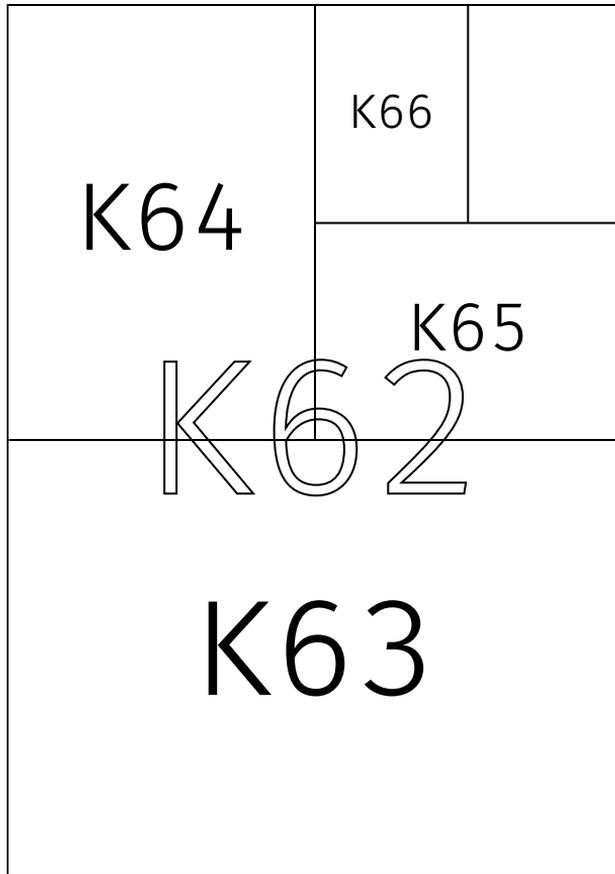≃372,534,795.269 km² lost due to rounding

K60 ≡ kappa sixty

K63

K65

K66

K64

K61

K62

114 × 161 mm
2,305,843,009,213,693,952 per K0
≃372,534,795.269 km² lost due to rounding

K61 ≡ kappa sixty-one
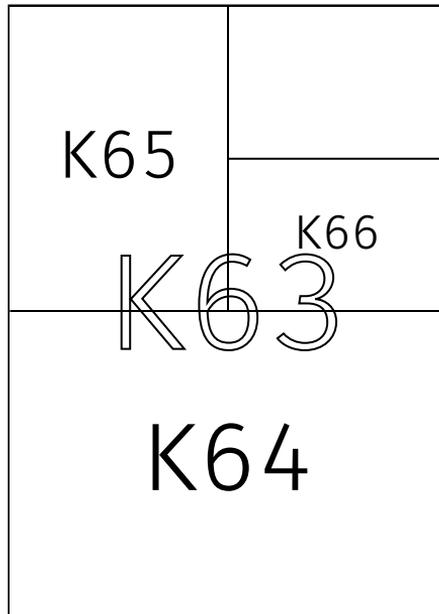
K66

K64

K62

K65

K63

114 mm

80 × 114 mm
4,611,686,018,427,387,904 per K0
≃635,400,898.319 km² lost due to rounding

K62 ≡ kappa sixty-two
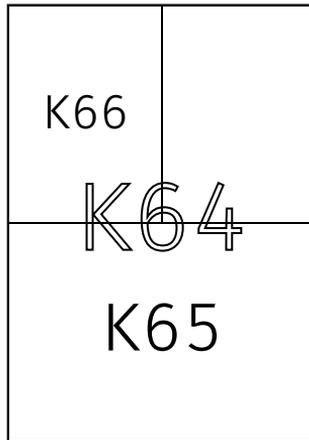
K65

K66

K63

K64

80 mm

57 × 80 mm
9,223,372,036,854,775,808 per K0
≃635,400,898.319 km² lost due to rounding

K63 ≡ kappa sixty-three
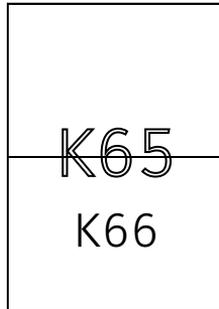
40 mm

K66

K64

K65

57 mm

40 × 57 mm
18,446,744,073,709,551,616 per K0
≃635,400,898.319 km² lost due to rounding

K64 ≡ kappa sixty-four

28 mm

K65
K66

40 mm

28 × 40 mm
36,893,488,147,419,103,232 per K0
≃1,373,270,661.267 km² lost due to rounding

K65 ≡ kappa sixty-five

20 mm

K66

28 mm

20 × 28 mm
73,786,976,294,838,206,464 per K0
≃1,373,270,661.267 km² lost due to rounding

K66 ≡ kappa sixty-six