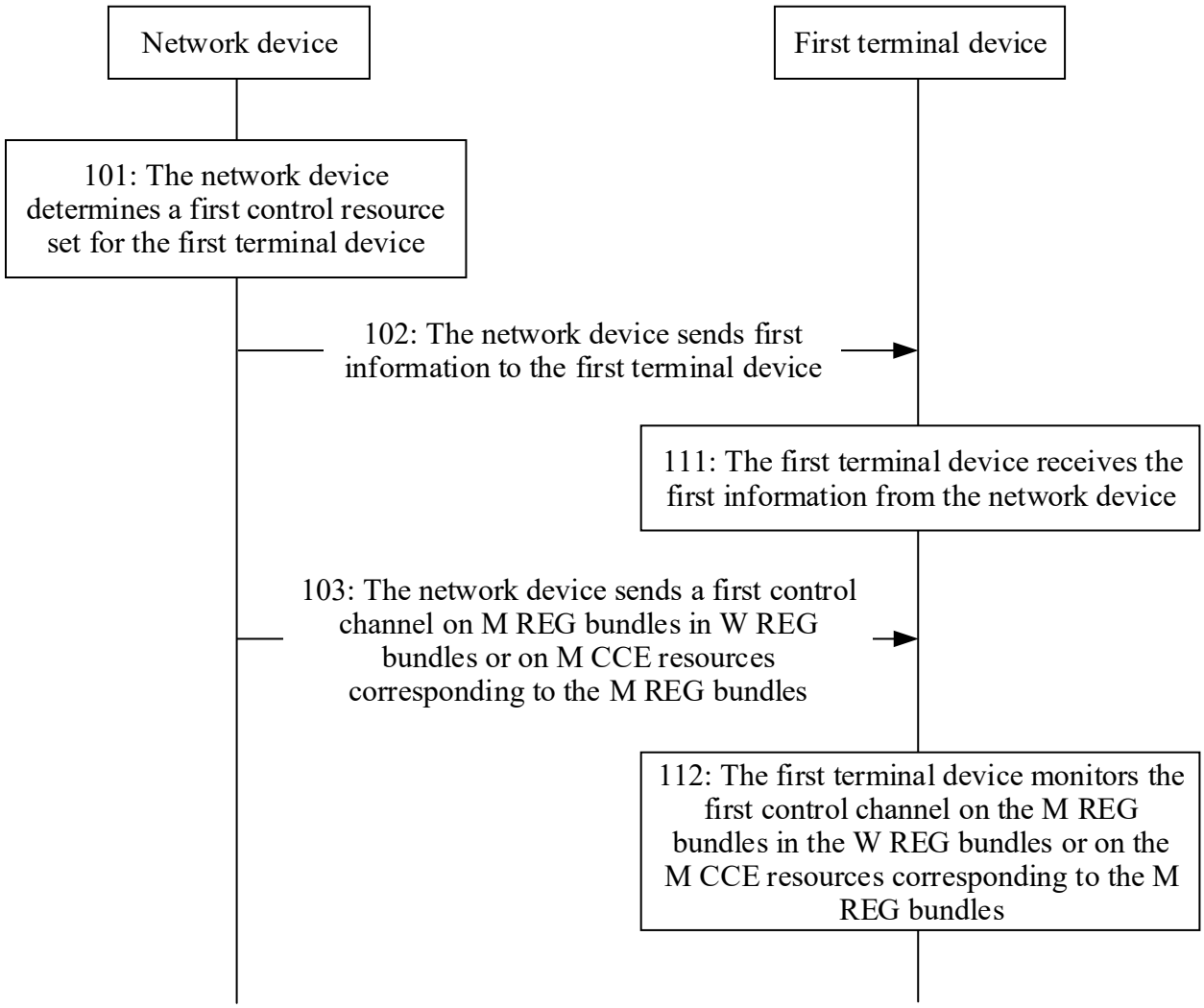

Network device
First terminal device
101: The network device determines a first control resource set for the first terminal device
102: The network device sends first information to the first terminal device
111: The first terminal device receives the first information from the network device
103: The network device sends a first control channel on M REG bundles in W REG bundles or on M CCE resources corresponding to the M REG bundles
112: The first terminal device monitors the first control channel on the M REG bundles in the W REG bundles or on the M CCE resources corresponding to the M REG bundles

FIG. 1

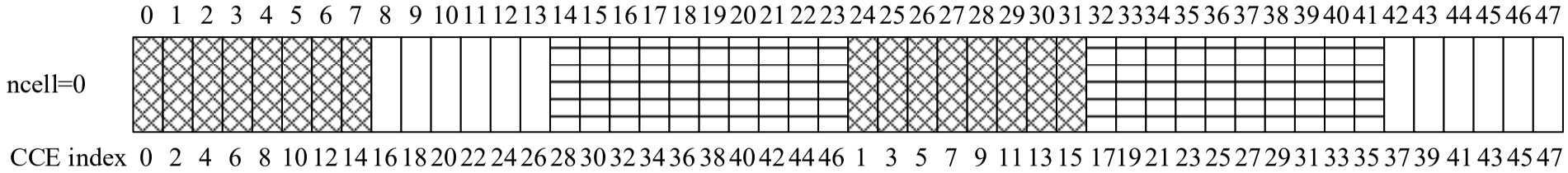

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2a

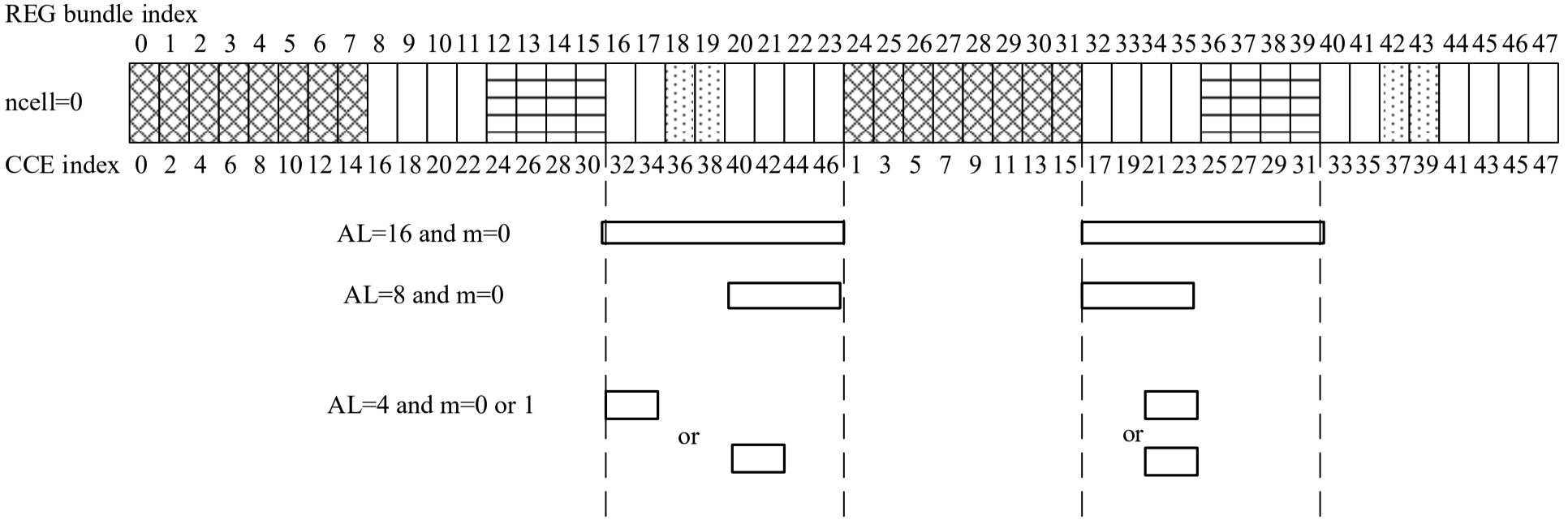

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47
AL=16 and m=0
AL=8 and m=0
AL=4 and m=0 or 1
or
or

FIG. 2b

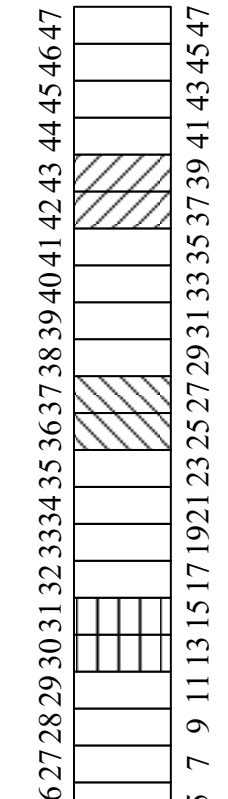

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2c

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 31 33 35 37 39 41 43 45 47 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29
AL=16 and m=0
AL=8 and m=0 or 1
AL=4 and m=0 or 1
or

FIG. 2d

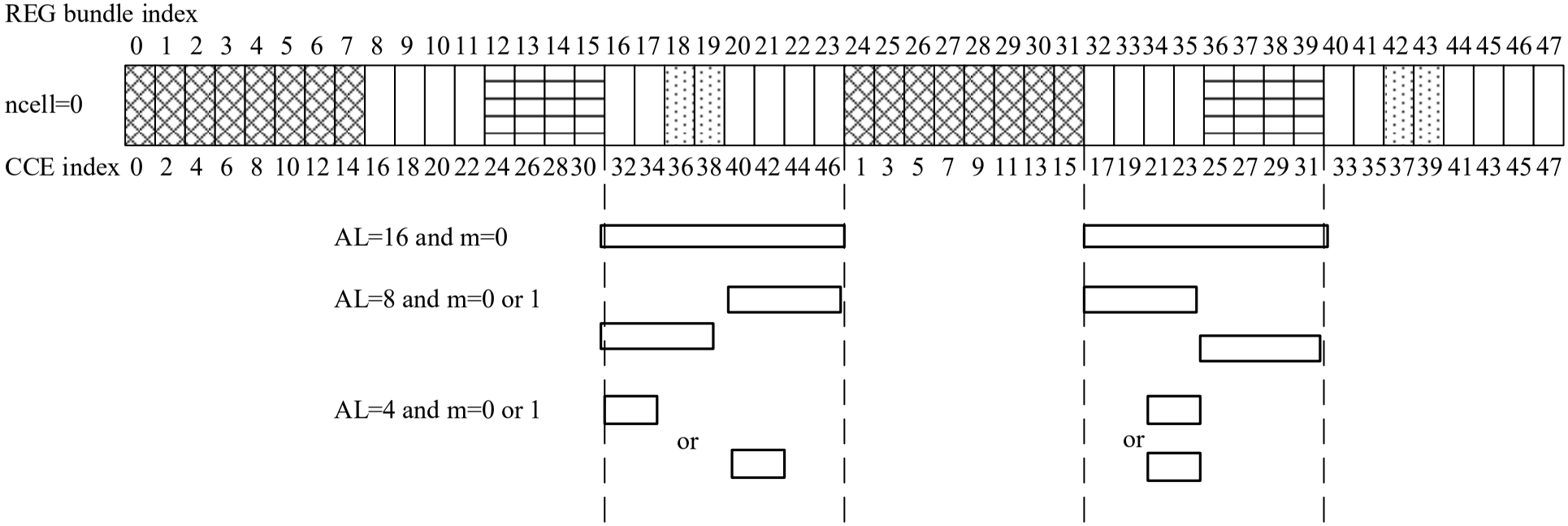

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47
AL=16 and m=0
AL=8 and m=0 or 1
AL=4 and m=0 or 1
or
or

FIG. 2e

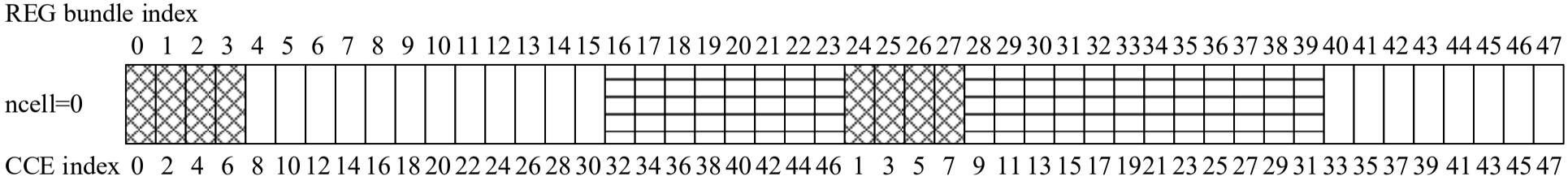

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2f

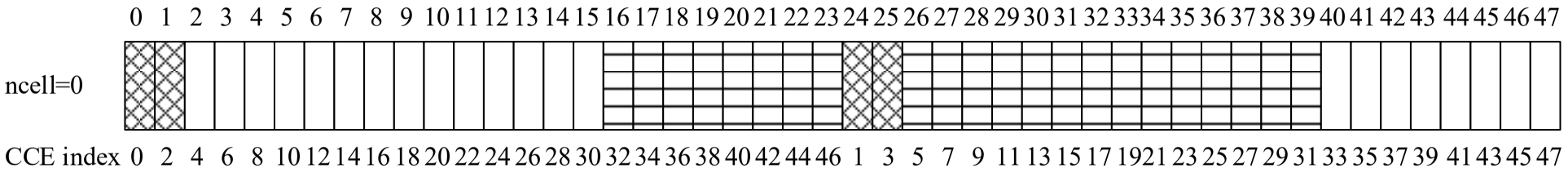

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2g

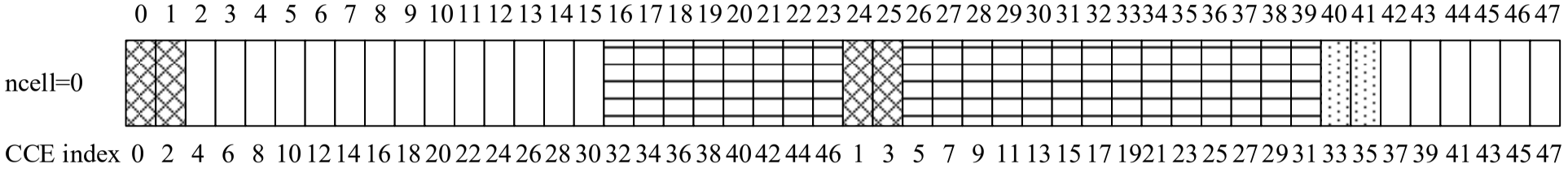

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2h

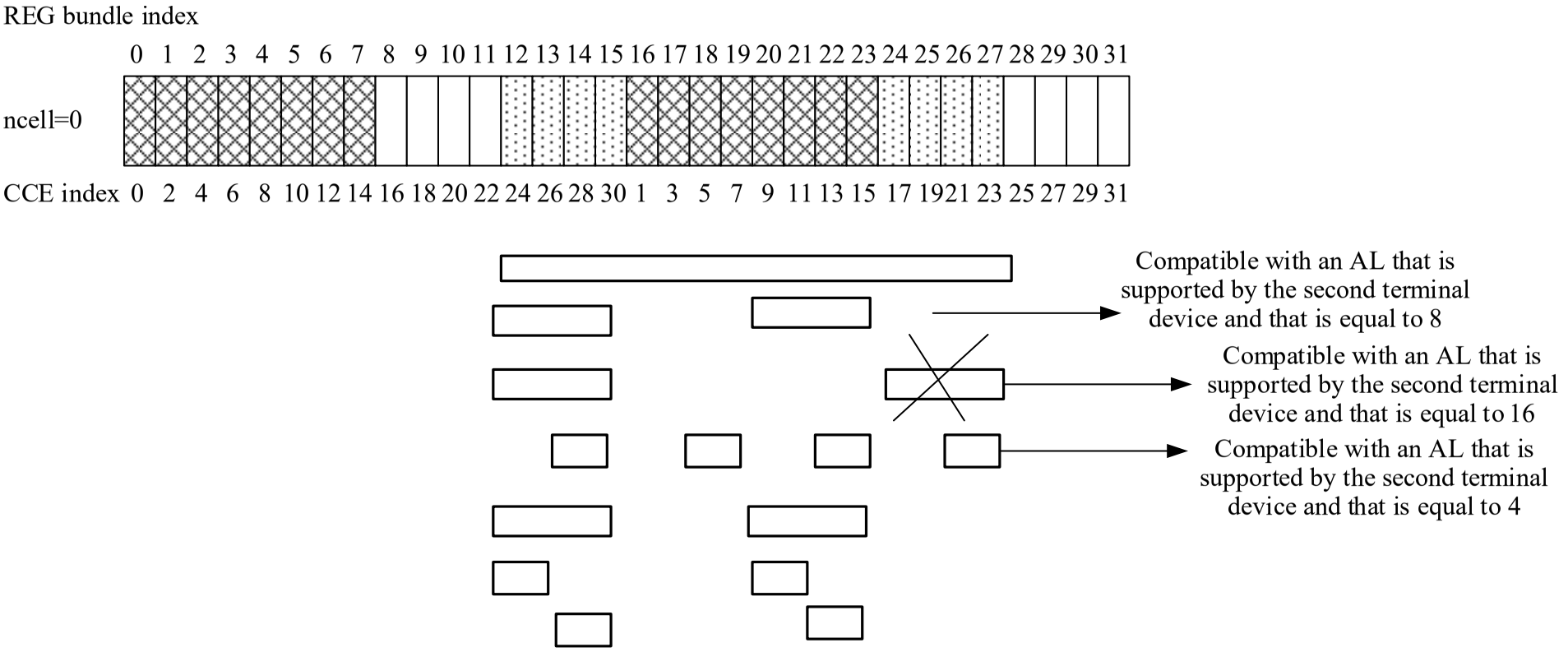

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31
Compatible with an AL that is supported by the second terminal device and that is equal to 8
Compatible with an AL that is supported by the second terminal device and that is equal to 16
Compatible with an AL that is supported by the second terminal device and that is equal to 4

FIG. 2i

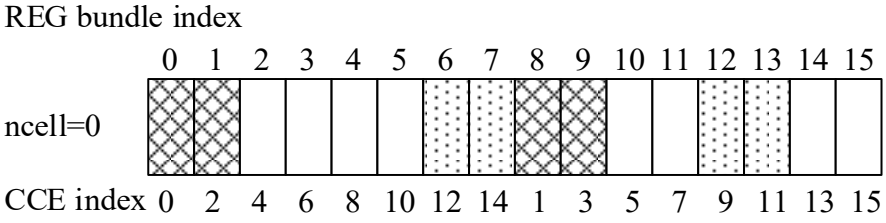


FIG. 2j

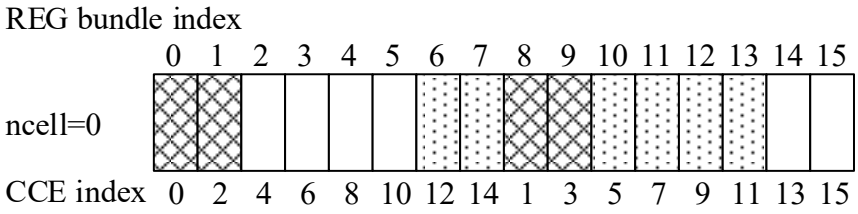


FIG. 2k

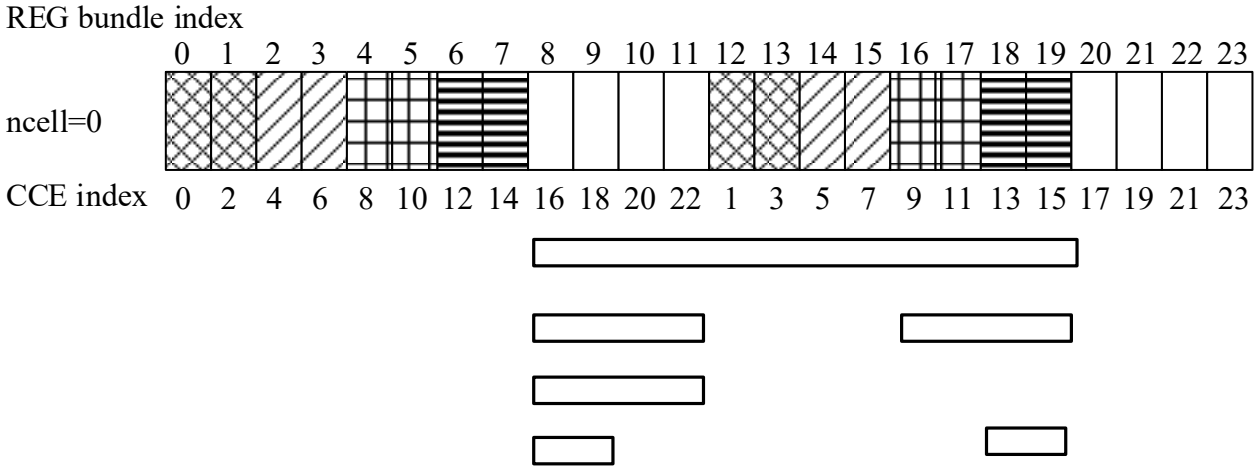


FIG. 2l

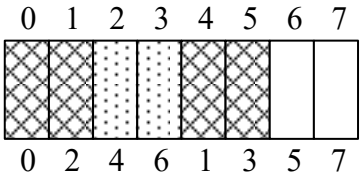


FIG. 2m

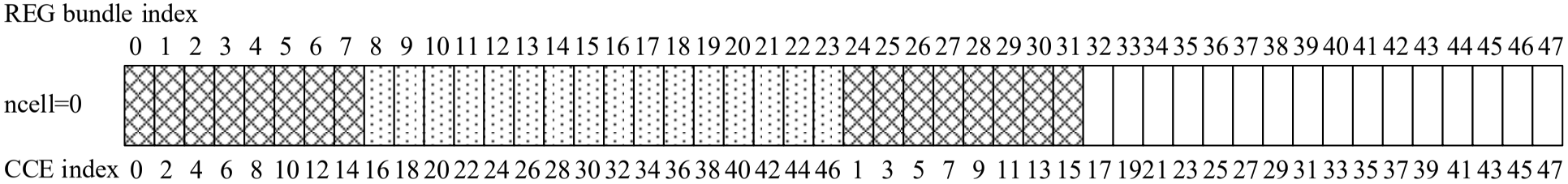

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2n

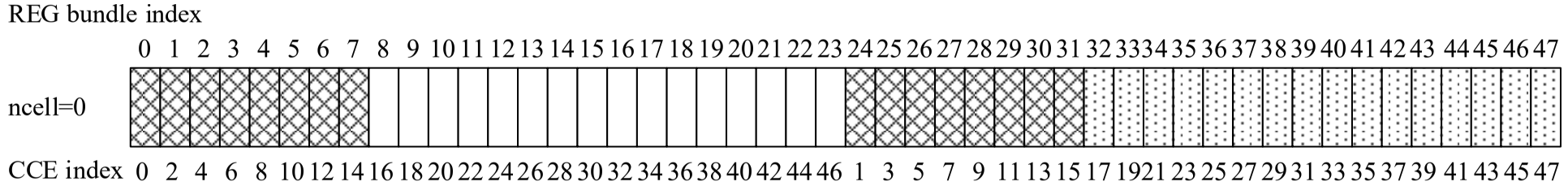

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2o

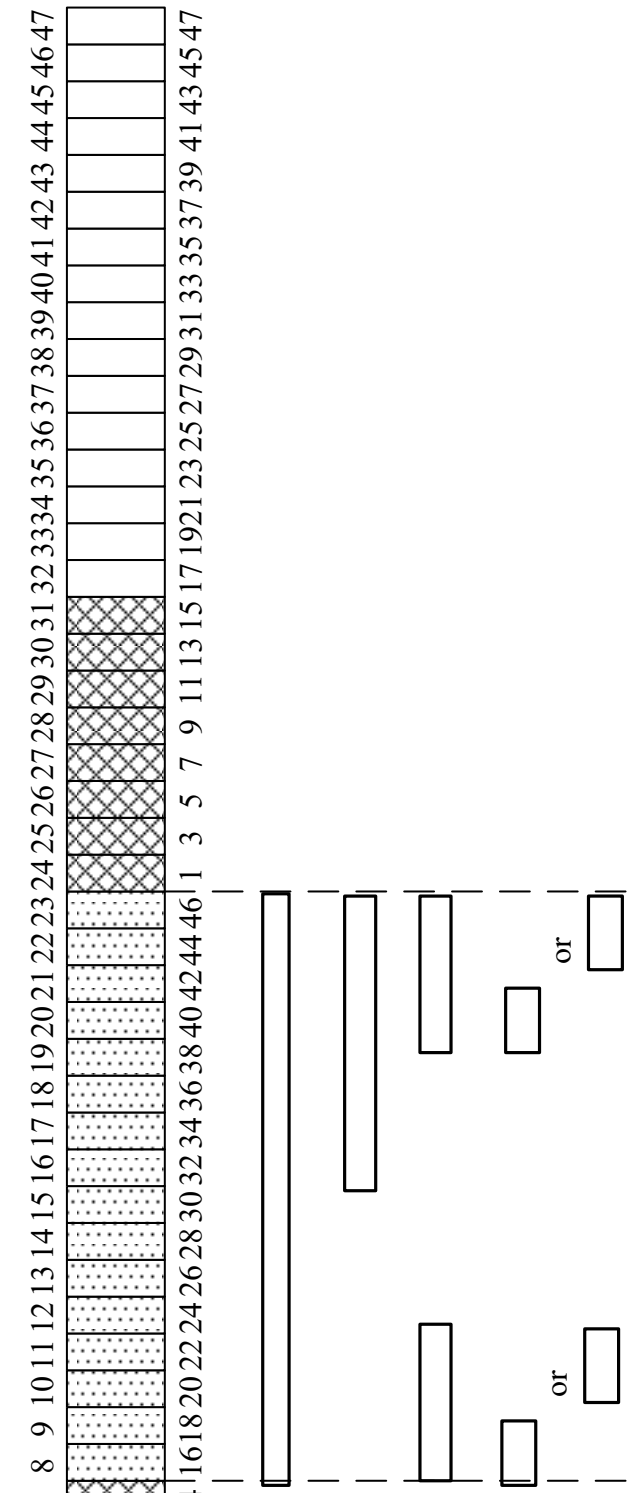

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47
AL=16 and m=0
AL=8 and m=0 or 1
AL=4 and m=0 or 1
or
or

FIG. 2p

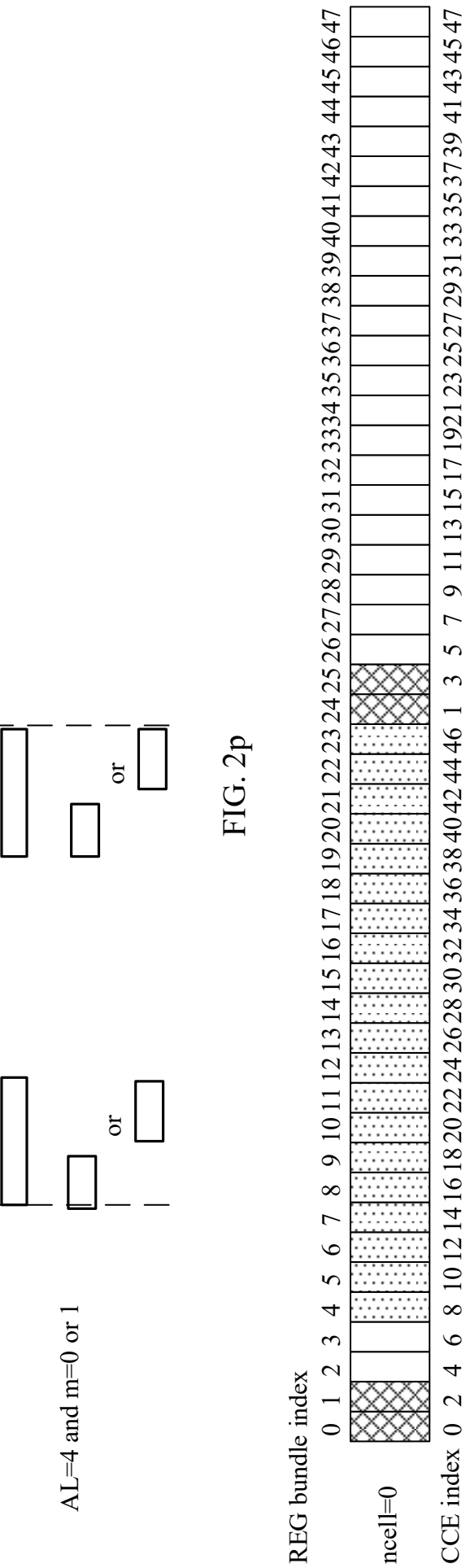

REG bundle index
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
ncell=0
CCE index 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47

FIG. 2q

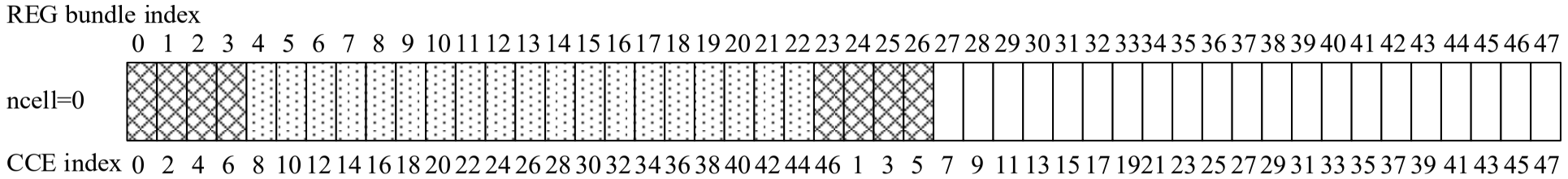


FIG. 2r

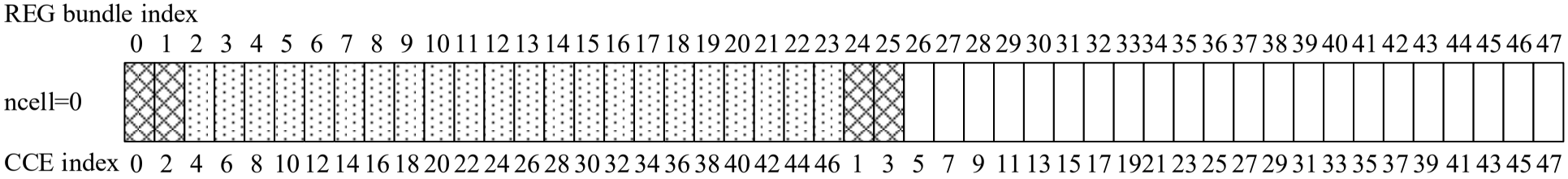


FIG. 2s

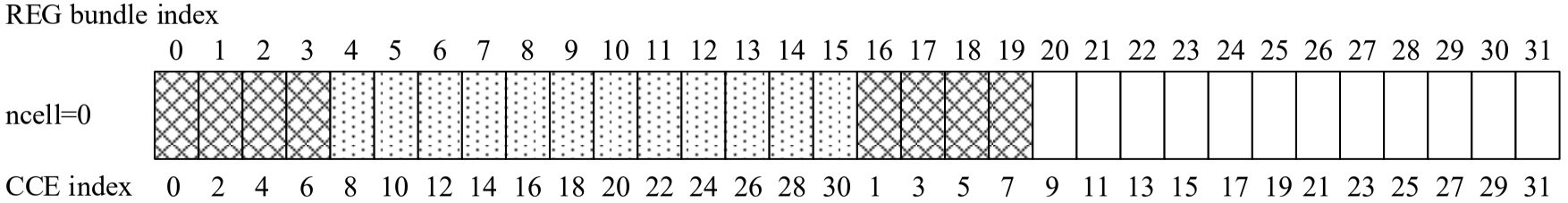


FIG. 2t

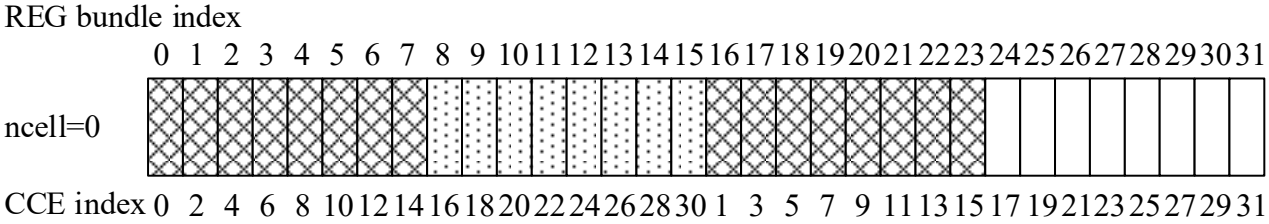


FIG. 2u

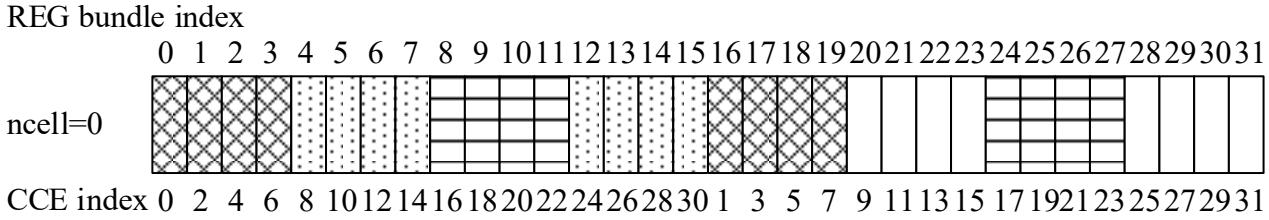


FIG. 2v

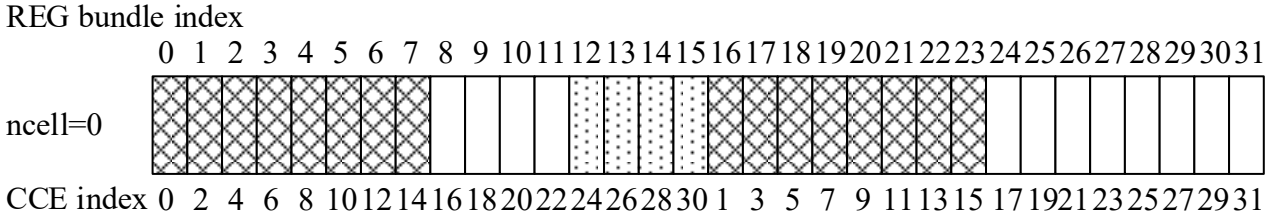


FIG. 2w

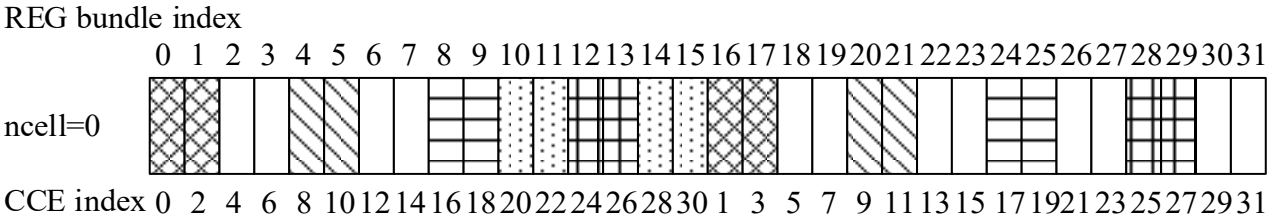


FIG. 2x

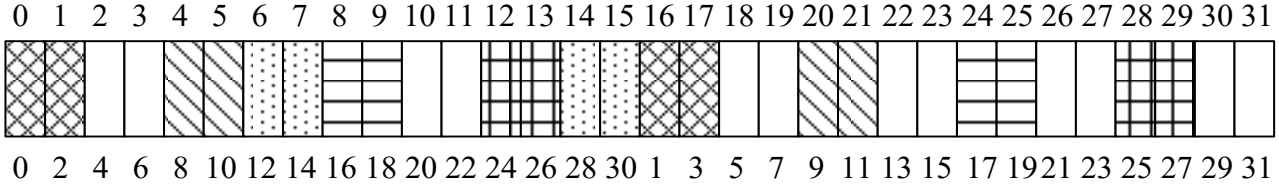


FIG. 2y

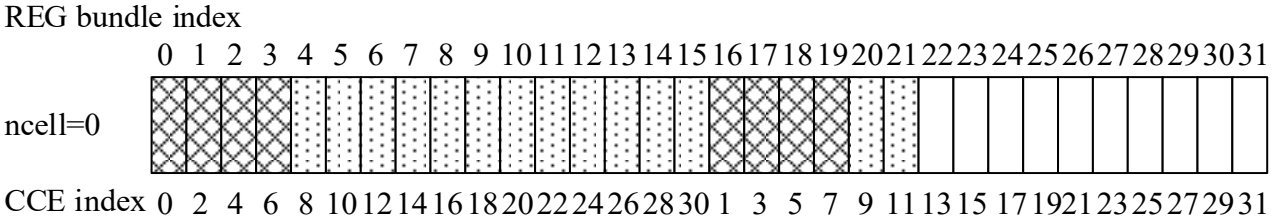


FIG. 2za

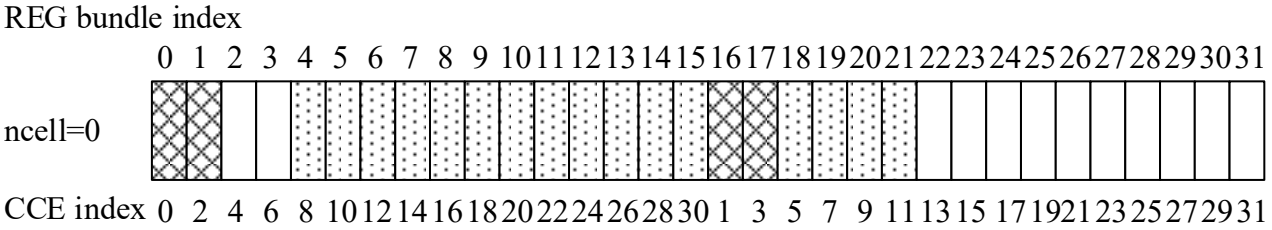


FIG. 2zb

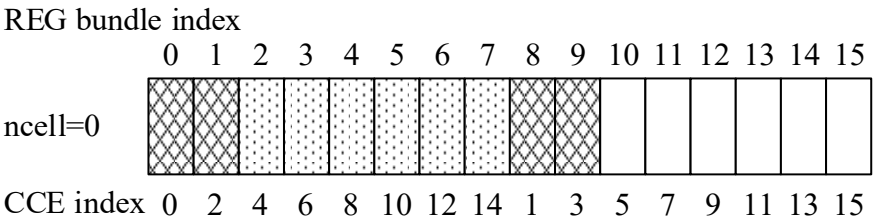


FIG. 2zc

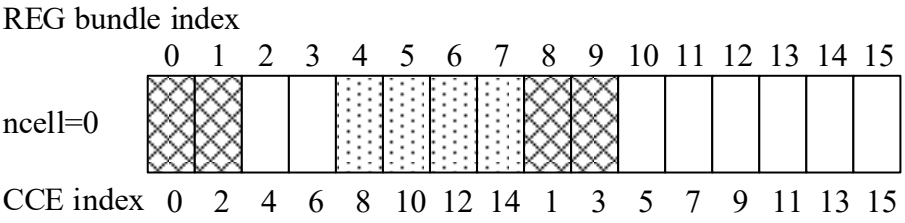


FIG. 2zd

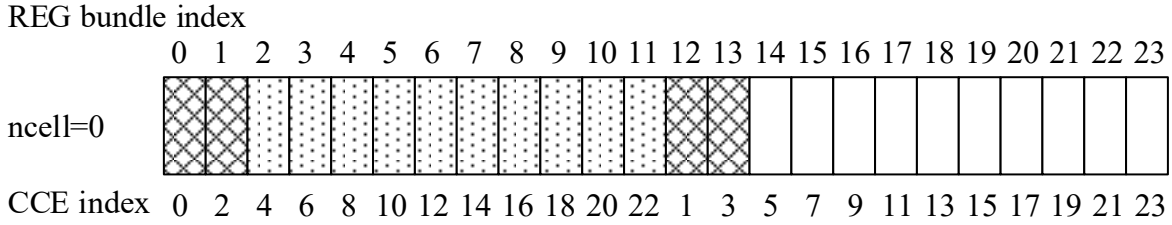


FIG. 2ze

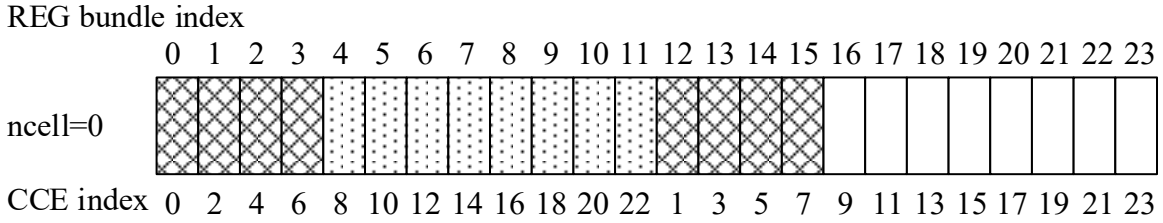


FIG. 2zf

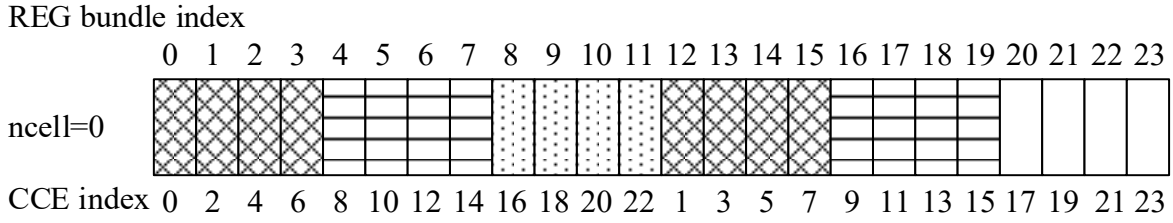


FIG. 2zg

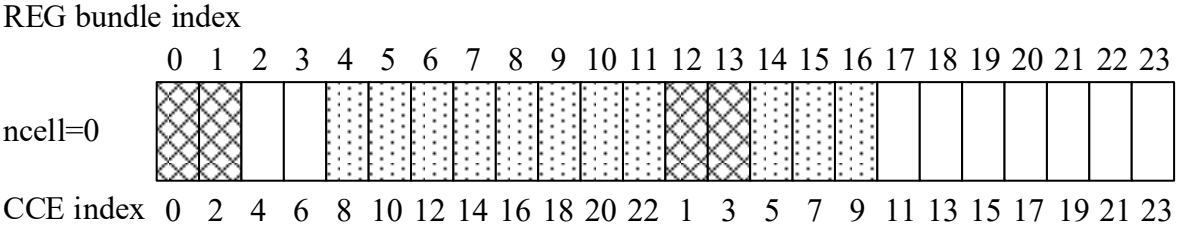


FIG. 2zh

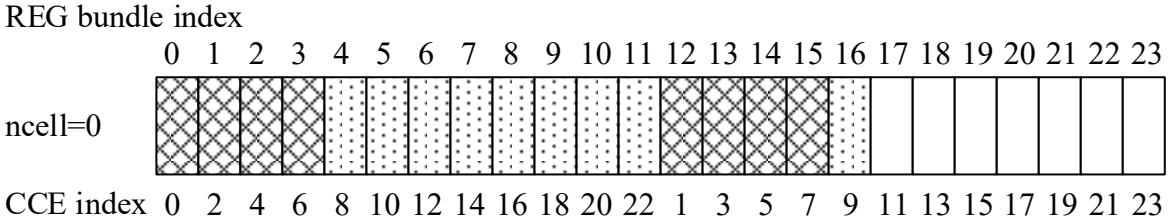


FIG. 2zi

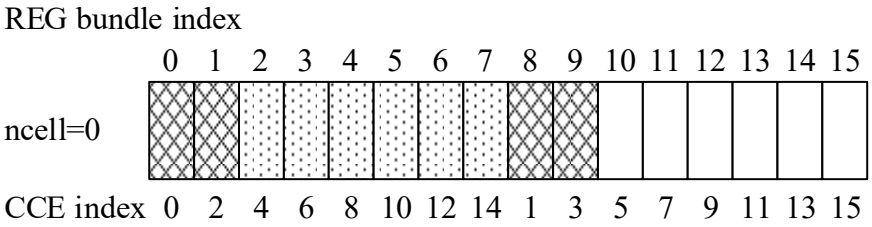


FIG. 2zj

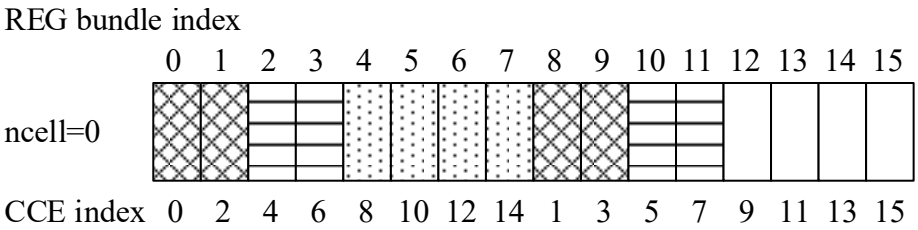


FIG. 2zk

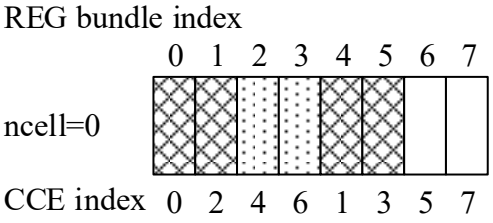


FIG. 2zl

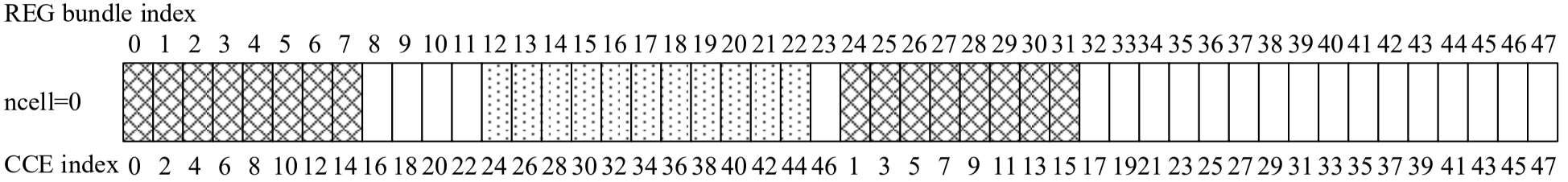


FIG. 2zm

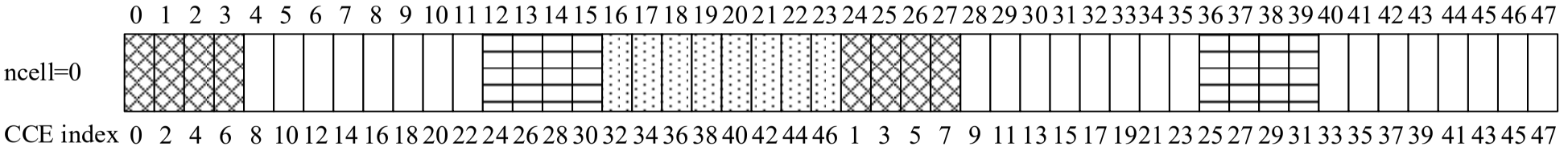


FIG. 2zn

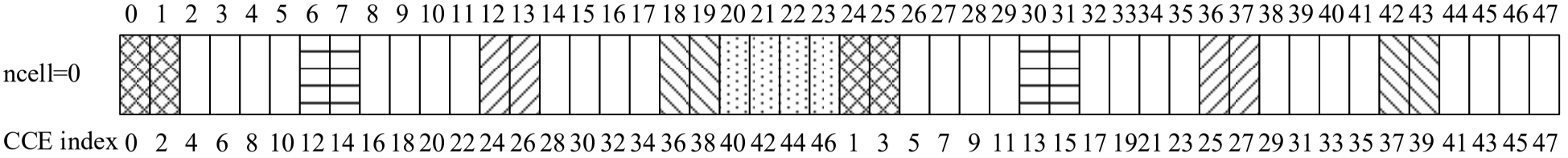


FIG. 2zo

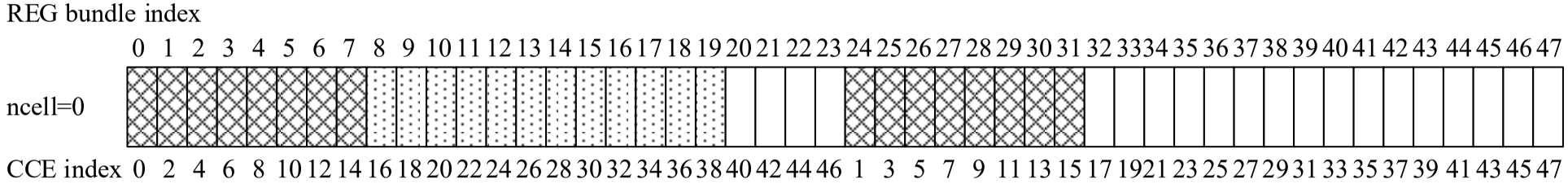


FIG. 2zp

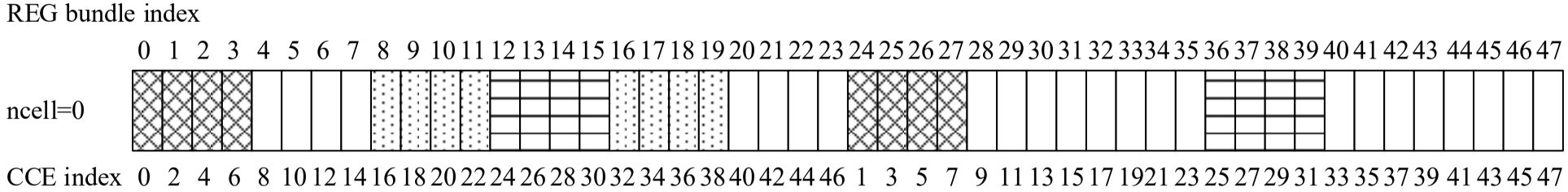


FIG. 2zq

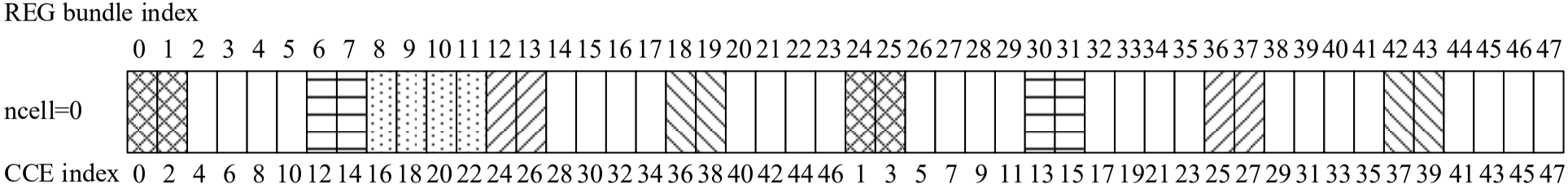


FIG. 2zr

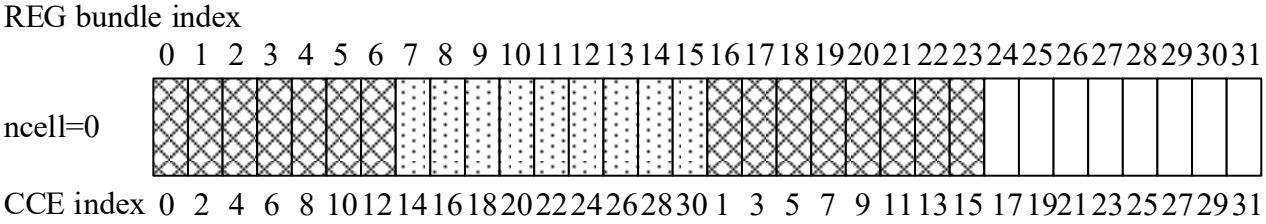


FIG. 2zs

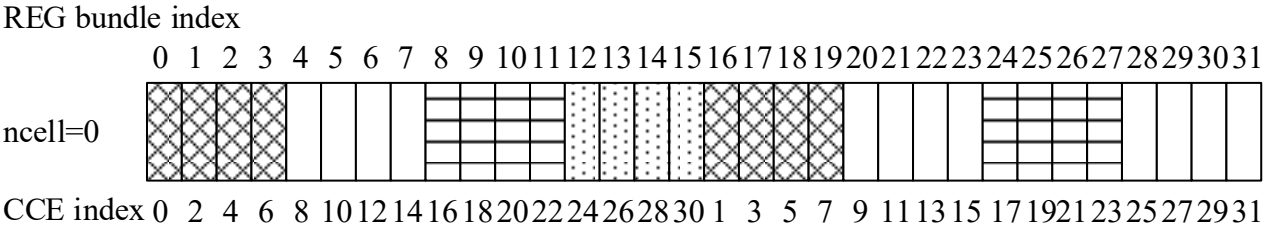


FIG. 2zt

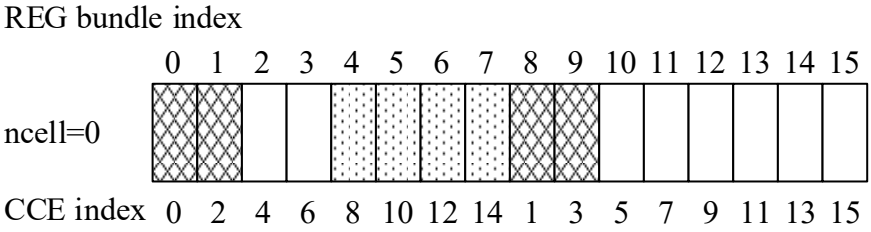


FIG. 2zu

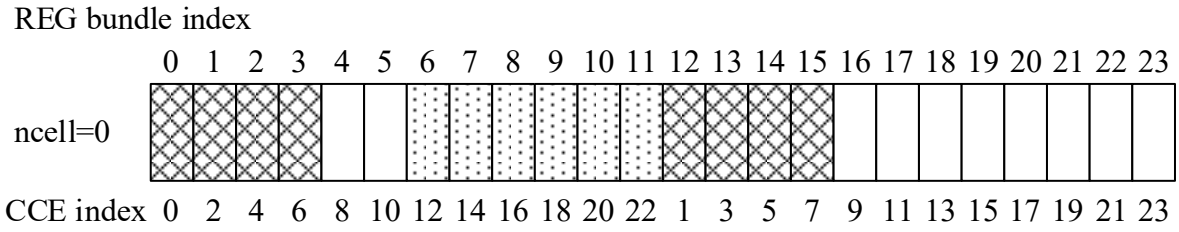


FIG. 2zv

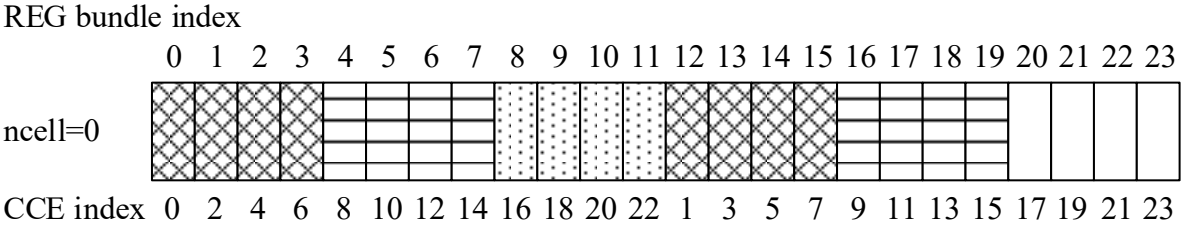


FIG. 2zw

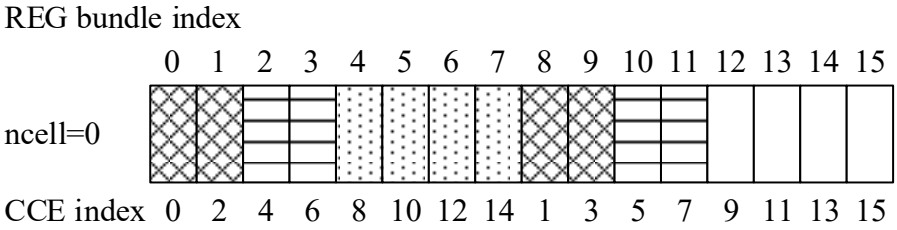


FIG. 2zx

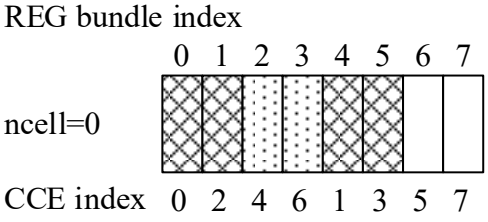
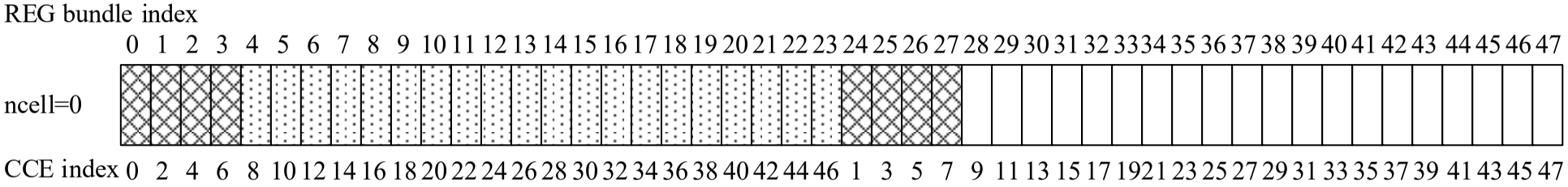


FIG. 2zy



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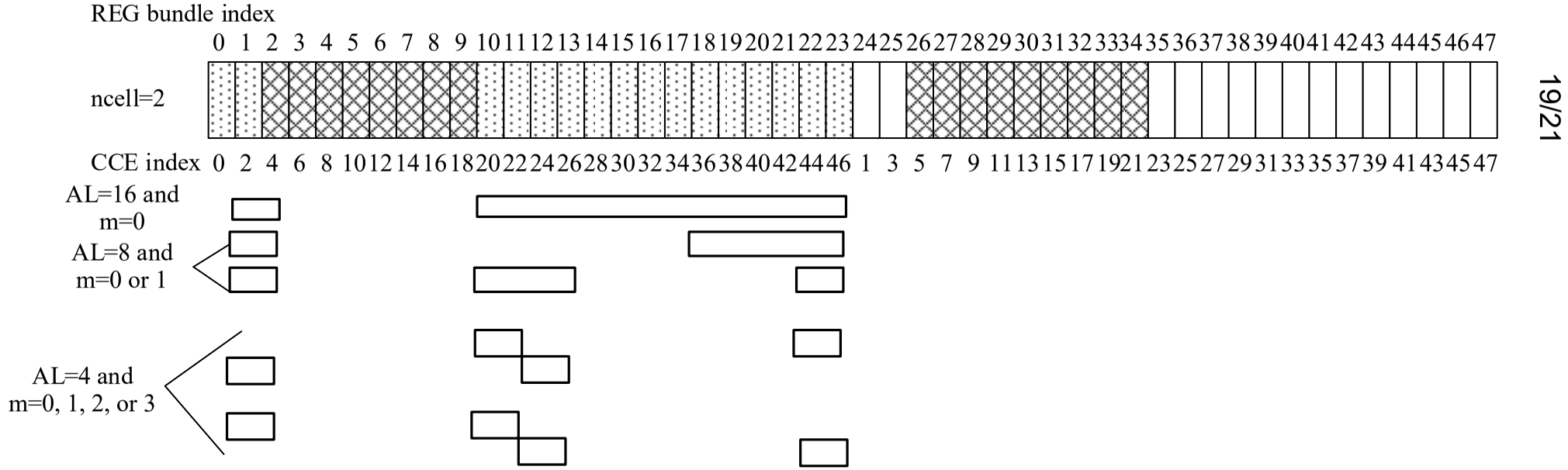

FIG. 2zza

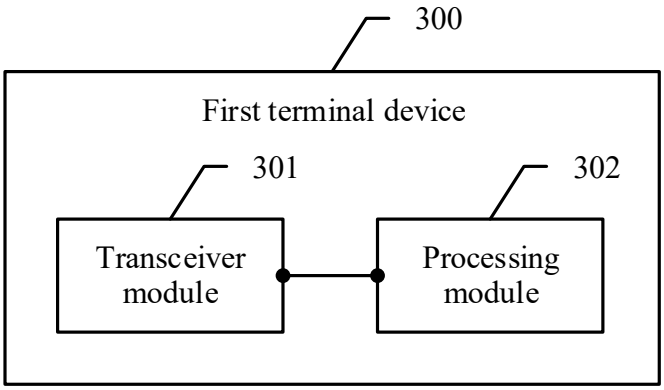

FIG. 3

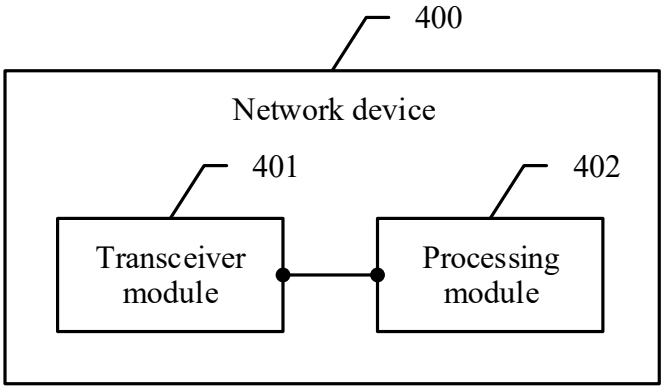

FIG. 4

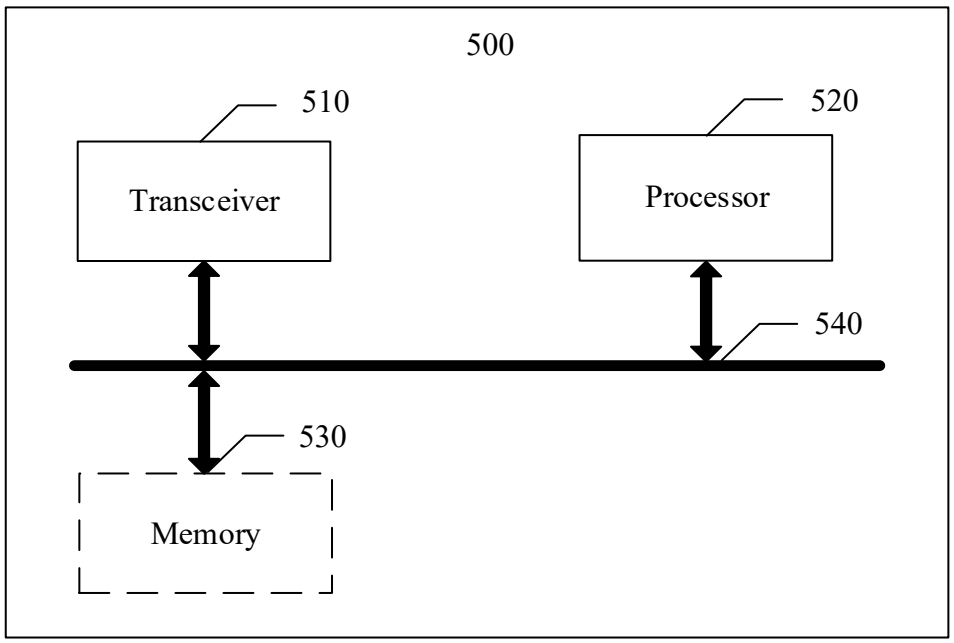

FIG. 5

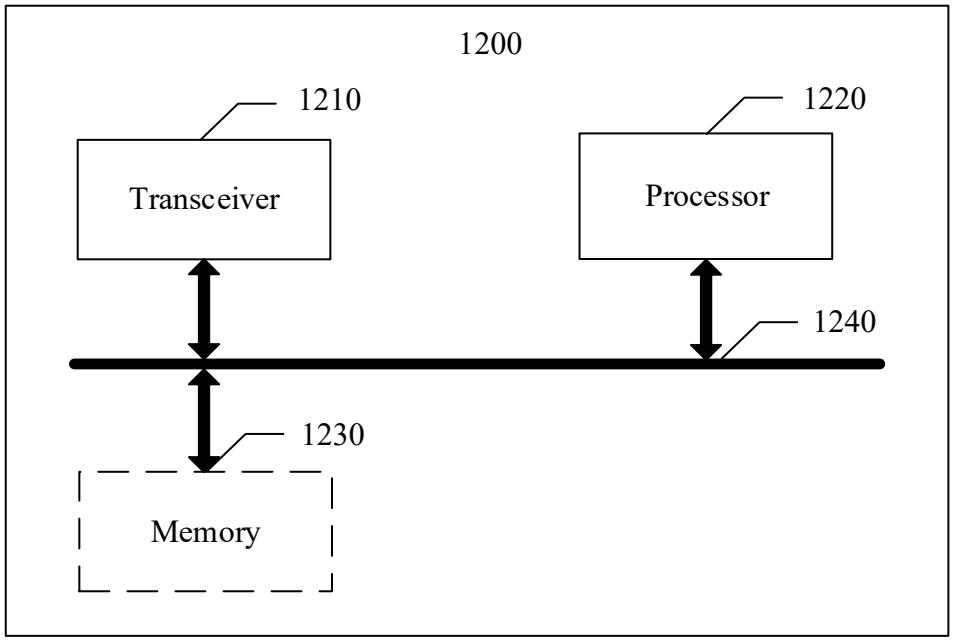

FIG. 6