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==================================================
Cross

1
[ 1 .. 12 ] Group( () ) [ 1, 1 ]

2
[ 1, 2, 1, 2, 5, 6, 5, 6, 9, 10, 9, 10 ] Group( [ ( 1, 3)( 2, 4)( 5, 7)( 6, 8)( 9

3
[ 1, 2, -1, -2, 5, 6, -5, -6, 9, 10, -9, -10 ] Group( [ ( 1, 3)( 2, 4)( 5, 7)( 6,

4
[ 1, 1, 3, 3, 5, 6, 7, 8, 5, 8, 7, 6 ] Group( [ ( 1, 2)( 3, 4)( 5, 9)( 6,12)( 7,1
[ 1, 2, 2, 1, 5, 6, 7, 8, 7, 6, 5, 8 ] Group( [ ( 1, 4)( 2, 3)( 5,11)( 6,10)( 7,

5
[ 1, -1, 3, -3, 5, 6, 7, 8, -5, -8, -7, -6 ] Group( [ ( 1, 2)( 3, 4)( 5, 9)( 6,12
[ 1, 2, -2, -1, 5, 6, 7, 8, -7, -6, -5, -8 ] Group( [ ( 1, 4)( 2, 3)( 5,11)( 6,10

6
[ 1, 2, 3, 2, 5, 6, 7, 8, 8, 7, 6, 5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)( 8,
[ 1, 2, 1, 4, 5, 6, 7, 8, 6, 5, 8, 7 ] Group( [ ( 1, 3)( 5,10)( 6, 9)( 7,12)( 8,1

7
[ 0, 2, 0, -2, 5, 6, 7, 8, -8, -7, -6, -5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)
[ 1, 0, -1, 0, 5, 6, 7, 8, -6, -5, -8, -7 ] Group( [ ( 1, 3)( 5,10)( 6, 9)( 7,12)

8
[ 1, -1, 1, -1, 5, 6, 5, 6, -5, -6, -5, -6 ] Group( [ ( 1, 2)( 3, 4)( 5, 9)( 6,12

9
[ 0, 0, 0, 0, 5, 6, 5, 6, -6, -5, -6, -5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)(

10
[ 1, 2, 1, 2, 5, 6, 5, 6, 6, 5, 6, 5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)( 8,

11
[ 1, 1, 1, 1, 5, 5, 5, 5, 9, 9, 9, 9 ] Group( [ ( 1, 3)( 2, 4)( 5, 7)( 6, 8)( 9,1

12
[ 1, 1, 1, 1, 5, 6, 5, 6, 5, 6, 5, 6 ] Group( [ ( 1, 2)( 3, 4)( 5, 9)( 6,12)( 7,1

13
[ 1, -1, 1, -1, 5, -5, 5, -5, 9, -9, 9, -9 ] Group( [ ( 1, 3)( 2, 4)( 5, 7)( 6, 8

14
[ 1, 1, -1, -1, 5, 6, -5, -6, 5, -6, -5, 6 ] Group( [ ( 1, 2)( 3, 4)( 5, 9)( 6,12
[ 1, -1, -1, 1, 5, 6, -5, -6, -5, 6, 5, -6 ] Group( [ ( 1, 4)( 2, 3)( 5,11)( 6,10

15
[ 1, 0, -1, 0, 5, 6, -5, -6, -6, -5, 6, 5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)
[ 0, 2, 0, -2, 5, 6, -5, -6, 6, 5, -6, -5 ] Group( [ ( 1, 3)( 5,10)( 6, 9)( 7,12)

16
[ 1, 1, 1, 1, 5, 5, 5, 5, 5, 5, 5, 5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)( 8,

17
[ 1, -1, 1, -1, 5, -5, 5, -5, -5, 5, -5, 5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10

18
[ 0, 0, 0, 0, 5, -5, 5, -5, 5, -5, 5, -5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)(

19
[ 0, 0, 0, 0, 5, 5, 5, 5, -5, -5, -5, -5 ] Group( [ ( 2, 4)( 5,12)( 6,11)( 7,10)(

20
[ 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0 ] Group( [ ( 1, 2, 3, 4)( 5, 6, 7, 8)( 9,10,

Subgroup structure
[ [   0,   1,   2,   3,   4,   5,   6,   7,   8,   9,  10,  11,  12,  13,  14,  1
  [   1,   1,   1,   1,   1,   1,   1,   1,   1,   1,   1,   1,   1,   1,   1,
  [   2,   0,   1,   0,   0,   0,   0,   0,   1,   1,   1,   1,   1,   1,   0,
  [   3,   0,   0,   1,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   1,
  [   4,   0,   0,   0,   1,   0,   0,   0,   0,   0,   0,   0,   1,   0,   1,
  [   5,   0,   0,   0,   0,   1,   0,   0,   1,   0,   0,   0,   0,   0,   1,
  [   6,   0,   0,   0,   0,   0,   1,   0,   0,   0,   1,   0,   0,   0,   0,
  [   7,   0,   0,   0,   0,   0,   0,   1,   0,   1,   0,   0,   0,   0,   0,
  [   8,   0,   0,   0,   0,   0,   0,   0,   1,   0,   0,   0,   0,   0,   0,
  [   9,   0,   0,   0,   0,   0,   0,   0,   0,   1,   0,   0,   0,   0,   0,
  [  10,   0,   0,   0,   0,   0,   0,   0,   0,   0,   1,   0,   0,   0,   0,
  [  11,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   1,   0,   0,   0,
  [  12,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   1,   0,   0,
  [  13,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   1,   0,
  [  14,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   1,
  [  15,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,
  [  16,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,
  [  17,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,
  [  18,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,
  [  19,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,
  [  20,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,   0,

Symmetry type S1 [ 1, 1 ]
  Representation 1, dimension of U_i = 1
    1, dim  Fix_P(U) K = 12, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1 ],  maximals
  Possible jumps from S1 [  ]

Symmetry type S2 [ 2, 1 ]
  Representation 1, dimension of U_i = 1
    2, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2 ],  maximals
  Representation 2, dimension of U_i = 1
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    2, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 2 ],  maximals 1
  Possible jumps from S2 [ 1 ]

Symmetry type S3 [ 2, 1 ]
  Representation 1, dimension of U_i = 1
    3, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 3 ],  maximals
  Representation 2, dimension of U_i = 1
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    3, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 3 ],  maximals 1
  Possible jumps from S3 [ 1 ]

Symmetry type S4 [ 2, 1 ]
  Representation 1, dimension of U_i = 1
    4, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 4 ],  maximals
  Representation 2, dimension of U_i = 1
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    4, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 4 ],  maximals 1
  Possible jumps from S4 [ 1 ]

Symmetry type S5 [ 2, 1 ]
  Representation 1, dimension of U_i = 1
    5, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
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    isotropy subgroups [ 5 ],  maximals
  Representation 2, dimension of U_i = 1
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    5, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 5 ],  maximals 1
  Possible jumps from S5 [ 1 ]

Symmetry type S6 [ 2, 1 ]
  Representation 1, dimension of U_i = 1
    6, dim  Fix_P(U) K = 7, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 6 ],  maximals
  Representation 2, dimension of U_i = 1
    1, dim  Fix_P(U) K = 5, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    6, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 6 ],  maximals 1
  Possible jumps from S6 [ 1 ]

Symmetry type S7 [ 2, 1 ]
  Representation 1, dimension of U_i = 1
    7, dim  Fix_P(U) K = 5, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 7 ],  maximals
  Representation 2, dimension of U_i = 1
    1, dim  Fix_P(U) K = 7, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    7, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 7 ],  maximals 1
  Possible jumps from S7 [ 1 ]

Symmetry type S8 [ 4, 2 ]
  Representation 1, dimension of U_i = 1
    8, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 8 ],  maximals
  Representation 2, dimension of U_i = 1
    5, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    8, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 5, 8 ],  maximals 5
  Representation 3, dimension of U_i = 1
    2, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    8, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2, 8 ],  maximals 2
  Representation 4, dimension of U_i = 1
    5, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    8, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 5, 8 ],  maximals 5
  Possible jumps from S8 [ 2, 5, 5 ]

Symmetry type S9 [ 4, 2 ]
  Representation 1, dimension of U_i = 1
    9, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 9 ],  maximals
  Representation 2, dimension of U_i = 1
    7, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    9, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 7, 9 ],  maximals 7
  Representation 3, dimension of U_i = 1
    7, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    9, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 7, 9 ],  maximals 7
  Representation 4, dimension of U_i = 1
    2, dim  Fix_P(U) K = 4, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    9, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2, 9 ],  maximals 2
  Possible jumps from S9 [ 2, 7, 7 ]

Symmetry type S10 [ 4, 2 ]
  Representation 1, dimension of U_i = 1
    10, dim  Fix_P(U) K = 4, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 10 ],  maximals
  Representation 2, dimension of U_i = 1
    6, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    10, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 6, 10 ],  maximals 6
  Representation 3, dimension of U_i = 1
    6, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    10, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 6, 10 ],  maximals 6
  Representation 4, dimension of U_i = 1
    2, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    10, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2, 10 ],  maximals 2
  Possible jumps from S10 [ 2, 6, 6 ]

Symmetry type S11 [ 4, 1 ]
  Representation 1, dimension of U_i = 1
    11, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 11 ],  maximals
  Representation 2, dimension of U_i = 1
    2, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    11, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2, 11 ],  maximals 2
  Representation 3, dimension of U_i = 1
  NON-REAL projection
    1, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 4, 1 ]
    11, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 11 ],  maximals 1
  Representation 4, dimension of U_i = 1
  NON-REAL projection
    1, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 4, 1 ]
    11, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 11 ],  maximals 1
  Possible jumps from S11 [ 1, 1, 2 ]

Symmetry type S12 [ 4, 2 ]
  Representation 1, dimension of U_i = 1
    12, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 12 ],  maximals
  Representation 2, dimension of U_i = 1
    4, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    12, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 4, 12 ],  maximals 4
  Representation 3, dimension of U_i = 1
    2, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    12, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2, 12 ],  maximals 2
  Representation 4, dimension of U_i = 1
    4, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    12, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 4, 12 ],  maximals 4
  Possible jumps from S12 [ 2, 4, 4 ]

Symmetry type S13 [ 4, 1 ]
  Representation 1, dimension of U_i = 1
    13, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 13 ],  maximals
  Representation 2, dimension of U_i = 1
    2, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    13, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 2, 13 ],  maximals 2
  Representation 3, dimension of U_i = 1
  NON-REAL projection
    1, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 4, 1 ]
    13, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 13 ],  maximals 1
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  Representation 4, dimension of U_i = 1
  NON-REAL projection
    1, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 4, 1 ]
    13, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 13 ],  maximals 1
  Possible jumps from S13 [ 1, 1, 2 ]

Symmetry type S14 [ 4, 2 ]
  Representation 1, dimension of U_i = 1
    14, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 14 ],  maximals
  Representation 2, dimension of U_i = 1
    4, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    14, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 4, 14 ],  maximals 4
  Representation 3, dimension of U_i = 1
    3, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    14, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 3, 14 ],  maximals 3
  Representation 4, dimension of U_i = 1
    5, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    14, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 5, 14 ],  maximals 5
  Possible jumps from S14 [ 3, 4, 5 ]

Symmetry type S15 [ 4, 2 ]
  Representation 1, dimension of U_i = 1
    15, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 15 ],  maximals
  Representation 2, dimension of U_i = 1
    6, dim  Fix_P(U) K = 4, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    15, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 6, 15 ],  maximals 6
  Representation 3, dimension of U_i = 1
    7, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    15, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 7, 15 ],  maximals 7
  Representation 4, dimension of U_i = 1
    3, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    15, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 3, 15 ],  maximals 3
  Possible jumps from S15 [ 3, 6, 7 ]

Symmetry type S16 [ 8, 3 ]
  Representation 1, dimension of U_i = 1
    16, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 16 ],  maximals
  Representation 2, dimension of U_i = 1
    12, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    16, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 12, 16 ],  maximals 12
  Representation 3, dimension of U_i = 1
    10, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    16, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 10, 16 ],  maximals 10
  Representation 4, dimension of U_i = 1
    11, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    16, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 11, 16 ],  maximals 11
  Representation 5, dimension of U_i = 2
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 2, N_H(K)/K [ 8, 3 ]
    6, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    4, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    16, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 4, 6, 16 ],  maximals 4 6
  Possible jumps from S16 [ 4, 6, 10, 11, 12 ]

Symmetry type S17 [ 8, 3 ]
  Representation 1, dimension of U_i = 1
    17, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 17 ],  maximals
  Representation 2, dimension of U_i = 1
    8, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    17, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 8, 17 ],  maximals 8
  Representation 3, dimension of U_i = 1
    10, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    17, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 10, 17 ],  maximals 10
  Representation 4, dimension of U_i = 1
    13, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    17, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 13, 17 ],  maximals 13
  Representation 5, dimension of U_i = 2
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 2, N_H(K)/K [ 8, 3 ]
    6, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    5, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    17, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 5, 6, 17 ],  maximals 5 6
  Possible jumps from S17 [ 5, 6, 8, 10, 13 ]

Symmetry type S18 [ 8, 3 ]
  Representation 1, dimension of U_i = 1
    18, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 18 ],  maximals
  Representation 2, dimension of U_i = 1
    12, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    18, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 12, 18 ],  maximals 12
  Representation 3, dimension of U_i = 1
    9, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    18, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 9, 18 ],  maximals 9
  Representation 4, dimension of U_i = 1
    13, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    18, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 13, 18 ],  maximals 13
  Representation 5, dimension of U_i = 2
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 2, N_H(K)/K [ 8, 3 ]
    7, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    4, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    18, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 4, 7, 18 ],  maximals 4 7
  Possible jumps from S18 [ 4, 7, 9, 12, 13 ]

Symmetry type S19 [ 8, 3 ]
  Representation 1, dimension of U_i = 1
    19, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 19 ],  maximals
  Representation 2, dimension of U_i = 1
    8, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    19, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 8, 19 ],  maximals 8
  Representation 3, dimension of U_i = 1
    9, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    19, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 9, 19 ],  maximals 9
  Representation 4, dimension of U_i = 1
    11, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    19, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 11, 19 ],  maximals 11
  Representation 5, dimension of U_i = 2
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```
    1, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 2, N_H(K)/K [ 8, 3 ]
    7, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    5, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    19, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 1, 5, 7, 19 ],  maximals 5 7
  Possible jumps from S19 [ 5, 7, 8, 9, 11 ]

Symmetry type S20 [ 16, 11 ]
  Representation 5, dimension of U_i = 1
    16, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    20, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 16, 20 ],  maximals 16
  Representation 6, dimension of U_i = 1
    17, dim  Fix_P(U) K = 2, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    20, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 17, 20 ],  maximals 17
  Representation 7, dimension of U_i = 1
    19, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    20, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 19, 20 ],  maximals 19
  Representation 8, dimension of U_i = 1
    18, dim  Fix_P(U) K = 1, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    20, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 18, 20 ],  maximals 18
  Representation 9, dimension of U_i = 2
    3, dim  Fix_P(U) K = 6, dim  Fix_U_i K = 2, N_H(K)/K [ 8, 3 ]
    15, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    14, dim  Fix_P(U) K = 3, dim  Fix_U_i K = 1, N_H(K)/K [ 2, 1 ]
    20, dim  Fix_P(U) K = 0, dim  Fix_U_i K = 0, N_H(K)/K [ 1, 1 ]
    isotropy subgroups [ 3, 14, 15, 20 ],  maximals 14 15
  Possible jumps from S20 [ 14, 15, 16, 17, 18, 19 ]

  Possible jumps from S1 [  ]
  Possible jumps from S2 [ 1 ]
  Possible jumps from S3 [ 1 ]
  Possible jumps from S4 [ 1 ]
  Possible jumps from S5 [ 1 ]
  Possible jumps from S6 [ 1 ]
  Possible jumps from S7 [ 1 ]
  Possible jumps from S8 [ 2, 5, 5 ]
  Possible jumps from S9 [ 2, 7, 7 ]
  Possible jumps from S10 [ 2, 6, 6 ]
  Possible jumps from S11 [ 1, 1, 2 ]
  Possible jumps from S12 [ 2, 4, 4 ]
  Possible jumps from S13 [ 1, 1, 2 ]
  Possible jumps from S14 [ 3, 4, 5 ]
  Possible jumps from S15 [ 3, 6, 7 ]
  Possible jumps from S16 [ 4, 6, 10, 11, 12 ]
  Possible jumps from S17 [ 5, 6, 8, 10, 13 ]
  Possible jumps from S18 [ 4, 7, 9, 12, 13 ]
  Possible jumps from S19 [ 5, 7, 8, 9, 11 ]
  Possible jumps from S20 [ 14, 15, 16, 17, 18, 19 ]
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