



2016-01-08-160307.sagews ×

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```

1
2 %default_mode gap
3
4
5 LoadPackage("guava");
6 true
7
8 G := [[1,0,0,0,0,1,1,1],
9       [0,1,0,0,1,0,1,1],
10      [0,0,1,0,1,1,0,1],
11      [0,0,0,1,1,1,1,0]];
12      [ [ 1, 0, 0, 0, 0, 1, 1, 1 ], [ 0, 1, 0, 0, 1, 0, 1, 1 ],
13        [ 0, 0, 1, 0, 1, 1, 0, 1 ], [ 0, 0, 0, 1, 1, 1, 1, 0 ] ]
14 C:=GeneratorMatCode(G,GF(2));
15 a linear [8,4,1..4]2 code defined by generator matrix over GF(2)
16
17 g := AutomorphismGroup(C);
18 Group([ (1,2)(5,6), (2,3)(4,7,5,6), (3,4)(7,8), (3,8)(5,6), (4,5)(6,7), (4,7)
19         (5,6) ])
20 Size(g);
21 1344
22
23
24
25
26
27
28
29
30

```