

2016-01-08-160307.sagews ×

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

```