ExampleExtendedProfile

July 10, 2018

Group : DihedralGroup(40)
Searching up to index : 20
How many normal groups are found : 8
Total Time in s : 0.1

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
22	0.0	0.0	3.2	0.0	Intersection
0	0.0	0.0	0.0	0.0	EpimorphismPGroup
25	0.0	0.0	3.8	0.0	NextPrimeInt
7	0.0	0.0	5.0	1.0	FindIntersections
0	0.0	0.0	0.0	0.0	LowIndexSubgroupsFpGroup
1	0.0	0.0	2.0	1.9	FindTQuotients
92	0.0	0.0	93.2	0.0	ExponentSum
3	0.0	0.0	113.4	2.3	Core
6	0.0	0.0	387.9	5.1	IsSubgroup
10	0.0	0.0	219.3	48.7	PullBackH
1833	0.0	0.0	59.2	0.0	GeneratorsOfMagmaWithInverses
88	0.0	0.0	248.6	1.7	PreImagesRepresentative
10	0.0	0.0	232.6	0.0	NaturalHomomorphismBySubspace
169	0.0	0.0	313.7	3.9	Index
44	0.0	0.0	395.6	0.0	GModuleByMats
67	0.0	0.0	487.9	4.8	GroupHomomorphismByImagesNC
10	0.0	0.0	1268.3	407.9	AddGroup
8	0.0	0.0	996.1	27.9	SMTX_BasesMaximalSubmodules
414	0.0	0.0	718.0	2.9	Image
14	0.0	0.0	1995.2	406.2	PreImage
10	0.0	0.0	2316.0	2120.3	Kernel

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
18	0.0	0.0	2574.7	72.0	IsomorphismFpGroup
8	0.1	0.0	29265.7	9209.4	FindPQuotients
1	0.1	0.1	29383.9	29383.7	LowIndexNormal

Group : DihedralGroup(100)

Searching up to index : 50

How many normal groups are found : 8

Total Time in s : 0.1

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
26	0.0	0.0	3.4	0.0	Intersection
3	0.0	0.0	86.6	2.3	Core
51	0.0	0.0	8.7	0.0	NextPrimeInt
7	0.0	0.0	7.7	1.2	FindIntersections
0	0.0	0.0	0.0	0.0	EpimorphismPGroup
0	0.0	0.0	0.0	0.0	LowIndexSubgroupsFpGroup
1	0.0	0.0	0.9	0.8	FindTQuotients
101	0.0	0.0	96.1	0.0	ExponentSum
36	0.0	0.0	58.4	0.0	GModuleByMats
10	0.0	0.0	254.8	61.9	PullBackH
8	0.0	0.0	587.8	20.2	SMTX_BasesMaximalSubmodules
10	0.0	0.0	133.3	0.0	NaturalHomomorphismBySubspace
72	0.0	0.0	243.6	1.6	PreImagesRepresentative
194	0.0	0.0	306.6	4.0	Index
6	0.0	0.0	361.0	4.8	IsSubgroup
2182	0.0	0.0	64.3	0.0	GeneratorsOfMagmaWithInverses
93	0.0	0.0	717.4	6.1	GroupHomomorphismByImagesNC
442	0.0	0.0	676.4	2.3	Image
10	0.0	0.0	1607.5	381.3	AddGroup
14	0.0	0.0	2111.7	405.9	PreImage
10	0.0	0.0	2360.9	2209.8	Kernel
18	0.0	0.0	2829.7	64.5	IsomorphismFpGroup
8	0.1	0.0	49480.5	9258.6	FindPQuotients
1	0.1	0.1	49572.4	49572.2	LowIndexNormal