ExampleExtendedProfile

August 2, 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/gb	ChildS/gb	Function
22	0.0	0.0	0.0	0.0	Intersection
7	0.0	0.0	0.0	0.0	FindIntersections
25	0.0	0.0	0.0	0.0	NextPrimeInt
0	0.0	0.0	0.0	0.0	LowIndexSubgroupsFpGroup
1	0.0	0.0	0.0	0.0	FindTQuotients
92	0.0	0.0	0.0	0.0	ExponentSum
10	0.0	0.0	0.2	0.0	PullBackH
3	0.0	0.0	0.1	0.0	Core
169	0.0	0.0	0.3	0.0	Index
1833	0.0	0.0	0.0	0.0	GeneratorsOfMagmaWithInverses
414	0.0	0.0	0.7	0.0	Image
88	0.0	0.0	0.2	0.0	PreImagesRepresentative
67	0.0	0.0	0.4	0.0	GroupHomomorphismByImagesNC
10	0.0	0.0	0.2	0.0	NaturalHomomorphismBySubspace
44	0.0	0.0	0.3	0.0	GModuleByMats
10	0.0	0.0	1.2	1.2	AddGroup
20	0.0	0.0	1.2	0.0	IsSubgroup
25	0.0	0.0	2.2	0.2	EpimorphismQuotientSystem
8	0.0	0.0	1.0	0.0	SMTX_BasesMaximalSubmodules
14	0.0	0.0	1.9	0.4	PreImage
10	0.0	0.0	2.3	2.1	Kernel

Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb	Function
18	0.0	0.0	2.5	0.0	IsomorphismFpGroup
50	0.0	0.0	17.4	0.0	PQuotient
8	0.1	0.1	29.2	28.6	FindPQuotients
1	0.1	0.1	29.3	29.3	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/gb	ChildS/gb	Function
26	0.0	0.0	0.0	0.0	Intersection
51	0.0	0.0	0.0	0.0	NextPrimeInt
36	0.0	0.0	0.0	0.0	GModuleByMats
10	0.0	0.0	0.2	0.0	PullBackH
0	0.0	0.0	0.0	0.0	LowIndexSubgroupsFpGroup
1	0.0	0.0	0.0	0.0	FindTQuotients
101	0.0	0.0	0.0	0.0	ExponentSum
3	0.0	0.0	0.0	0.0	Core
10	0.0	0.0	0.1	0.0	NaturalHomomorphismBySubspace
7	0.0	0.0	0.0	0.0	FindIntersections
2182	0.0	0.0	0.0	0.0	GeneratorsOfMagmaWithInverses
72	0.0	0.0	0.2	0.0	PreImagesRepresentative
194	0.0	0.0	0.3	0.0	Index
93	0.0	0.0	0.7	0.0	GroupHomomorphismByImagesNC
442	0.0	0.0	0.6	0.0	Image
8	0.0	0.0	0.5	0.0	SMTX_BasesMaximalSubmodules
10	0.0	0.0	1.6	1.6	AddGroup
20	0.0	0.0	1.5	0.0	IsSubgroup
18	0.0	0.0	2.8	0.0	IsomorphismFpGroup
51	0.0	0.0	4.3	0.5	EpimorphismQuotientSystem
14	0.0	0.0	2.1	0.4	PreImage
10	0.0	0.0	2.3	2.2	Kernel
102	0.0	0.0	35.8	0.0	PQuotient
8	0.1	0.1	49.4	48.9	FindPQuotients
1	0.1	0.1	49.5	49.5	LowIndexNormal