ExampleExtendedProfile

July 16, 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
7	0.0	0.0	5.0	1.0	FindIntersections
25	0.0	0.0	3.8	0.0	NextPrimeInt
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
1833	0.0	0.0	59.2	0.0	GeneratorsOfMagmaWithInverses
67	0.0	0.0	488.0	4.8	GroupHomomorphismByImagesNC
3	0.0	0.0	113.4	2.3	Core
169	0.0	0.0	313.4	3.9	Index
10	0.0	0.0	219.3	48.7	PullBackH
414	0.0	0.0	718.0	2.9	Image
10	0.0	0.0	230.8	0.0	NaturalHomomorphismBySubspace
44	0.0	0.0	395.8	0.0	GModuleByMats
88	0.0	0.0	247.4	1.7	PreImagesRepresentative
10	0.0	0.0	1268.9	1263.6	AddGroup
20	0.0	0.0	1253.8	15.4	IsSubgroup
8	0.0	0.0	995.9	27.9	SMTX_BasesMaximalSubmodules
25	0.0	0.0	2257.5	253.9	EpimorphismQuotientSystem
14	0.0	0.0	1996.9	405.9	PreImage
18	0.0	0.0	2574.2	72.0	IsomorphismFpGroup

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
10	0.0	0.0	2316.9	2122.0	Kernel
50	0.0	0.0	17466.4	3.1	PQuotient
8	0.1	0.1	29280.9	28678.4	FindPQuotients
1	0.1	0.1	29394.6	29394.5	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
7	0.0	0.0	7.7	1.2	FindIntersections
51	0.0	0.0	8.7	0.0	NextPrimeInt
0	0.0	0.0	0.0	0.0	LowIndexSubgroupsFpGroup
1	0.0	0.0	1.2	1.1	FindTQuotients
101	0.0	0.0	96.1	0.0	ExponentSum
10	0.0	0.0	254.8	61.9	PullBackH
10	0.0	0.0	133.3	0.0	NaturalHomomorphismBySubspace
36	0.0	0.0	58.4	0.0	GModuleByMats
194	0.0	0.0	306.6	4.0	Index
2182	0.0	0.0	64.3	0.0	GeneratorsOfMagmaWithInverses
3	0.0	0.0	86.6	2.3	Core
72	0.0	0.0	238.3	1.6	PreImagesRepresentative
8	0.0	0.0	587.8	20.2	SMTX_BasesMaximalSubmodules
442	0.0	0.0	674.1	2.3	Image
93	0.0	0.0	718.2	6.1	GroupHomomorphismByImagesNC
10	0.0	0.0	1608.1	1604.2	AddGroup
20	0.0	0.0	1594.3	15.2	IsSubgroup
51	0.0	0.0	4377.1	502.6	EpimorphismQuotientSystem
14	0.0	0.0	2112.0	405.6	PreImage
18	0.0	0.0	2826.0	64.7	IsomorphismFpGroup
10	0.0	0.0	2367.2	2210.1	Kernel
102	0.0	0.0	35856.5	6.6	PQuotient
8	0.1	0.1	49445.6	48975.9	FindPQuotients
1	0.1	0.1	49541.1	49541.0	LowIndexNormal