

SymmetricExtendedProfile

September 11, 2018

Group : Sym(6)

Searching up to index : 1000

How many normal groups are found : 3

Total Time in s : 1.0

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
PreImage	10	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
ExponentSum	15	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
PreImagesRepresentative	10	0.0	0.0	0.0	0.0
Index	791	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
Image	1106	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	4036	0.0	0.0	0.0	0.0
Intersection	42	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
Core	7	0.0	0.0	0.0	0.0
IsomorphismFpGroup	274	0.0	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.0	0.0	0.0	0.0
GroupHomomorphismByImagesNC	270	0.0	0.0	0.0	0.0

FindTQuotients	1	0.0	0.0	0.0	0.0
IsSubgroupFp	3	0.1	0.0	0.0	0.0
AddGroup	4	0.1	0.1	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
PQuotient	526	0.8	0.0	0.0	0.0
FindPModules	263	0.9	0.9	0.1	0.1
FindPQuotients	2	0.9	0.9	0.1	0.1
LowIndexNormal	1	1.0	1.0	0.1	0.1

Group : Sym(7)

Searching up to index : 1000

How many normal groups are found : 2

Total Time in s : 1.0

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
IsSubgroupFp	0	0.0	0.0	0.0	0.0
Image	1106	0.0	0.0	0.0	0.0
PreImage	6	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
ExponentSum	18	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
AddGroup	1	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
PreImagesRepresentative	12	0.0	0.0	0.0	0.0
Index	759	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
Intersection	22	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
Core	3	0.0	0.0	0.0	0.0
IsomorphismFpGroup	266	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	3712	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0

LowIndexSubgroupsFpGroup	2	0.0	0.0	0.0	0.0
FindTQuotients	1	0.0	0.0	0.0	0.0
GroupHomomorphismByImagesNC	266	0.0	0.0	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
PQuotient	526	0.8	0.0	0.0	0.0
FindPModules	263	0.9	0.9	0.1	0.1
FindPQuotients	2	0.9	0.9	0.1	0.1
LowIndexNormal	1	1.0	1.0	0.1	0.1

Group : Sym(8)

Searching up to index : 1000

How many normal groups are found : 2

Total Time in s : 1.1

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
IsSubgroupFp	0	0.0	0.0	0.0	0.0
PreImage	6	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
ExponentSum	21	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
AddGroup	1	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
Image	1114	0.0	0.0	0.0	0.0
PreImagesRepresentative	14	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
Core	3	0.0	0.0	0.0	0.0
Intersection	26	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	3783	0.0	0.0	0.0	0.0
IsomorphismFpGroup	266	0.0	0.0	0.0	0.0
Index	760	0.0	0.0	0.0	0.0

GroupHomomorphismByImagesNC	266	0.0	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.1	0.0	0.0	0.0
FindTQuotients	1	0.1	0.1	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
PQuotient	526	0.8	0.0	0.0	0.0
FindPModules	263	0.9	0.9	0.1	0.1
FindPQuotients	2	1.0	1.0	0.1	0.1
LowIndexNormal	1	1.1	1.1	0.1	0.1

Group : Sym(9)

Searching up to index : 1000

How many normal groups are found : 2

Total Time in s : 1.4

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
IsSubgroupFp	0	0.0	0.0	0.0	0.0
PreImage	6	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
ExponentSum	24	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
AddGroup	1	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
Image	1122	0.0	0.0	0.0	0.0
PreImagesRepresentative	16	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
Intersection	30	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	3869	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
Core	3	0.0	0.0	0.0	0.0
Index	762	0.0	0.0	0.0	0.0
IsomorphismFpGroup	266	0.0	0.0	0.0	0.0

GroupHomomorphismByImagesNC	266	0.0	0.0	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.5	0.0	0.3	0.0
FindTQuotients	1	0.5	0.5	0.3	0.3
PQuotient	526	0.7	0.0	0.0	0.0
FindPModules	263	0.8	0.8	0.1	0.1
FindPQuotients	2	0.8	0.8	0.1	0.1
LowIndexNormal	1	1.4	1.4	0.4	0.4