

# FreeProductsBasicProfile

September 7, 2018

**Group :**  $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 527

Total Time in s : 374.5

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1706	0.0	0.0	0.0	0.0
PullBackH	404	13.7	2.6	1.6	0.2
SMTX_BasesMaximalSubmodules	272	13.9	0.1	2.0	0.0
FindTQuotients	1	16.6	16.5	3.3	3.3
FindIntersections	246	24.9	24.8	10.5	10.5
AddGroup	724	280.8	280.3	156.5	156.5
FindPModules	932	332.9	331.6	170.7	170.5
FindPQuotients	247	332.9	332.9	170.7	170.7
LowIndexNormal	1	374.5	374.5	184.5	184.5

**Group :**  $C_2 * C_4$

Searching up to index : 500

How many normal groups are found : 688

Total Time in s : 162.5

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1182	0.0	0.0	0.0	0.0
FindTQuotients	1	0.2	0.2	0.0	0.0
PullBackH	599	4.4	0.7	0.5	0.0

SMTX_BasesMaximalSubmodules	331	7.0	0.0	0.8	0.0
FindIntersections	304	11.4	11.1	3.6	3.6
AddGroup	903	129.8	128.8	51.1	51.0
FindPModules	596	150.8	150.0	52.4	52.4
FindPQuotients	305	150.8	150.8	52.4	52.4
LowIndexNormal	1	162.5	162.5	56.1	56.1

**Group :**  $C_2 * C_5$

Searching up to index : 2000

How many normal groups are found : 205

Total Time in s : 175.0

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	894	0.0	0.0	0.0	0.0
FindIntersections	87	4.0	4.0	1.4	1.4
FindTQuotients	1	6.3	6.3	1.1	1.1
SMTX_BasesMaximalSubmodules	96	11.4	0.0	1.8	0.0
PullBackH	173	14.7	2.7	2.0	0.2
AddGroup	344	115.1	115.0	52.3	52.3
FindPModules	592	164.6	163.4	58.7	58.5
FindPQuotients	88	164.6	164.6	58.7	58.7
LowIndexNormal	1	175.0	175.0	61.2	61.2

**Group :**  $C_2 * C_6$

Searching up to index : 500

How many normal groups are found : 862

Total Time in s : 338.3

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1344	0.0	0.0	0.0	0.0
FindTQuotients	1	0.7	0.7	0.1	0.1
PullBackH	770	7.8	1.4	0.8	0.1
SMTX_BasesMaximalSubmodules	398	8.6	0.1	1.0	0.0

FindIntersections	362	20.2	19.7	6.3	6.3
AddGroup	1145	293.2	291.7	109.8	109.6
FindPModules	683	317.3	316.1	109.3	109.2
FindPQuotients	363	317.4	317.4	109.3	109.3
LowIndexNormal	1	338.3	338.3	115.8	115.8

**Group :**  $C_2 * C_7$

Searching up to index : 1000

How many normal groups are found : 63

Total Time in s : 16.1

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	385	0.0	0.0	0.0	0.0
FindIntersections	25	0.0	0.0	0.0	0.0
FindTQuotients	1	0.5	0.5	0.1	0.1
SMTX_BasesMaximalSubmodules	29	1.2	0.0	0.1	0.0
PullBackH	55	1.8	0.3	0.2	0.0
AddGroup	79	8.2	8.2	3.7	3.7
FindPModules	299	15.4	15.3	4.7	4.6
FindPQuotients	26	15.4	15.4	4.7	4.7
LowIndexNormal	1	16.1	16.1	4.8	4.8

**Group :**  $C_2 * C_8$

Searching up to index : 500

How many normal groups are found : 1187

Total Time in s : 1093.9

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1581	0.0	0.0	0.0	0.0
FindTQuotients	1	0.8	0.8	0.1	0.1
SMTX_BasesMaximalSubmodules	505	22.3	0.2	2.6	0.0
PullBackH	1353	25.2	4.6	3.0	0.3
FindIntersections	465	41.2	39.6	12.0	12.0

AddGroup	1761	965.2	962.2	344.3	343.9
FindPModules	868	1051.8	1048.9	346.7	346.5
FindPQuotients	466	1051.8	1051.8	346.7	346.7
LowIndexNormal	1	1093.9	1093.9	358.9	358.9

**Group :**  $C_2 * C_9$

Searching up to index : 1000

How many normal groups are found : 358

Total Time in s : 153.5

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	916	0.0	0.0	0.0	0.0
FindTQuotients	1	5.3	5.3	0.8	0.8
SMTX_BasesMaximalSubmodules	168	6.1	0.0	0.6	0.0
PullBackH	339	8.7	1.6	0.8	0.1
FindIntersections	183	10.1	10.0	3.2	3.2
AddGroup	490	110.8	110.5	42.7	42.7
FindPModules	485	138.0	137.2	44.1	44.1
FindPQuotients	184	138.0	138.0	44.1	44.1
LowIndexNormal	1	153.5	153.5	48.2	48.2

**Group :**  $C_2 * C_{10}$

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 73.6

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	951	0.0	0.0	0.0	0.0
FindTQuotients	1	0.2	0.2	0.0	0.0
SMTX_BasesMaximalSubmodules	236	3.9	0.0	0.4	0.0
PullBackH	367	4.1	0.7	0.4	0.0
FindIntersections	226	5.3	5.2	1.5	1.5
AddGroup	567	50.8	50.4	18.3	18.2

FindPModules	458	68.0	67.4	20.2	20.1
FindPQuotients	227	68.1	68.1	20.2	20.2
LowIndexNormal	1	73.6	73.6	21.8	21.8

**Group :**  $C_2 * C_{11}$

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 10.5

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
FindIntersections	5	0.0	0.0	0.0	0.0
MustCheckP	317	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	7	0.0	0.0	0.0	0.0
PullBackH	16	0.0	0.0	0.0	0.0
AddGroup	28	1.0	1.0	0.5	0.5
FindPModules	271	2.2	2.2	0.6	0.6
FindPQuotients	6	2.2	2.2	0.6	0.6
FindTQuotients	1	8.2	8.2	1.3	1.3
LowIndexNormal	1	10.5	10.5	1.9	1.9

**Group :**  $C_2 * C_{12}$

Searching up to index : 150

How many normal groups are found : 355

Total Time in s : 44.7

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	494	0.0	0.0	0.0	0.0
FindTQuotients	1	0.0	0.0	0.0	0.0
PullBackH	378	0.8	0.1	0.0	0.0
SMTX_BasesMaximalSubmodules	181	1.7	0.0	0.1	0.0
FindIntersections	151	5.8	5.8	1.5	1.5
AddGroup	476	36.4	36.2	10.2	10.1
FindPModules	308	38.7	38.4	9.4	9.4

FindPQuotients	152	38.8	38.8	9.4	9.4
LowIndexNormal	1	44.7	44.7	11.0	11.0