

# FreeProductsBasicProfile

September 4, 2018

**Group :**  $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 521

Total Time in s : 521.7

**Group :**  $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 521

Total Time in s : 513.5

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1706	0.0	0.0	0.0	0.0
FindTQuotients	1	17.6	17.5	3.3	3.3
FindIntersections	246	34.2	34.1	12.1	12.1
AddGroup	868	379.3	378.7	208.5	208.5
FindPModules	981	469.7	467.7	227.2	227.0
FindPQuotients	247	469.8	469.8	227.2	227.2
LowIndexNormal	1	521.7	521.7	242.7	242.7

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1706	0.0	0.0	0.0	0.0
FindTQuotients	1	17.7	17.7	3.3	3.3
FindIntersections	246	29.8	29.7	12.1	12.1
AddGroup	868	370.9	370.3	208.5	208.5
FindPModules	981	465.8	463.7	227.2	227.0
FindPQuotients	247	465.8	465.8	227.2	227.2
LowIndexNormal	1	513.5	513.5	242.7	242.7

**Group :**  $C_2 * C_4$

Searching up to index : 500

How many normal groups are found : 688

Total Time in s : 413.2

**Group :**  $C_2 * C_4$

Searching up to index : 500

How many normal groups are found : 688

Total Time in s : 393.9

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
FindIntersections	304	15.0	14.7	4.2	4.2
AddGroup	2534	287.8	286.5	100.0	99.9
FindPModules	1074	397.8	394.3	109.7	109.5
FindPQuotients	305	397.8	397.8	109.7	109.7
LowIndexNormal	1	413.2	413.2	114.1	114.1

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1182	0.0	0.0	0.0	0.0
FindTQuotients	1	0.3	0.3	0.0	0.0
FindIntersections	304	14.1	13.7	4.2	4.2
AddGroup	2534	273.7	272.5	100.0	99.9
FindPModules	1074	379.5	376.1	109.7	109.5
FindPQuotients	305	379.5	379.5	109.7	109.7
LowIndexNormal	1	393.9	393.9	114.1	114.1

**Group :**  $C_2 * C_5$

Searching up to index : 2000

How many normal groups are found : 203

Total Time in s : 203.0

**Group :**  $C_2 * C_5$

Searching up to index : 2000

How many normal groups are found : 203  
Total Time in s : 193.4

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	894	0.0	0.0	0.0	0.0
FindIntersections	87	4.9	4.9	1.5	1.5
FindTQuotients	1	7.1	7.1	1.1	1.1
AddGroup	353	131.0	130.9	56.7	56.7
FindPModules	599	190.9	189.2	63.7	63.5
FindPQuotients	88	190.9	190.9	63.7	63.7
LowIndexNormal	1	203.0	203.0	66.4	66.4

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	894	0.0	0.0	0.0	0.0
FindIntersections	87	4.6	4.6	1.5	1.5
FindTQuotients	1	7.1	7.1	1.1	1.1
AddGroup	353	123.3	123.2	56.7	56.7
FindPModules	599	181.5	179.9	63.7	63.5
FindPQuotients	88	181.5	181.5	63.7	63.7
LowIndexNormal	1	193.4	193.4	66.4	66.4

**Group :**  $C_2 * C_6$

Searching up to index : 500

How many normal groups are found : 862

Total Time in s : 626.7

**Group :**  $C_2 * C_6$

Searching up to index : 500

How many normal groups are found : 862

Total Time in s : 605.0

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1344	0.0	0.0	0.0	0.0
FindTQuotients	1	0.8	0.8	0.1	0.1

FindIntersections	362	23.3	22.8	6.2	6.2
AddGroup	2042	500.4	498.6	175.8	175.6
FindPModules	891	602.5	599.2	183.1	182.8
FindPQuotients	363	602.6	602.6	183.1	183.1
LowIndexNormal	1	626.7	626.7	189.5	189.5

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1344	0.0	0.0	0.0	0.0
FindTQuotients	1	0.8	0.8	0.1	0.1
FindIntersections	362	22.2	21.7	6.2	6.2
AddGroup	2042	482.4	480.5	175.8	175.6
FindPModules	891	581.8	578.3	183.1	182.8
FindPQuotients	363	581.9	581.9	183.1	183.1
LowIndexNormal	1	605.0	605.0	189.5	189.5

**Group :**  $C_2 * C_7$

Searching up to index : 1000

How many normal groups are found : 63

Total Time in s : 22.8

**Group :**  $C_2 * C_7$

Searching up to index : 1000

How many normal groups are found : 63

Total Time in s : 25.6

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	0.6	0.6	0.1	0.1
AddGroup	91	11.7	11.7	4.7	4.7
FindPModules	299	22.1	21.8	6.0	5.9
FindPQuotients	26	22.1	22.1	6.0	6.0
LowIndexNormal	1	22.8	22.8	6.1	6.1

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	0.7	0.7	0.1	0.1
AddGroup	91	13.3	13.3	4.7	4.7
FindPModules	299	24.8	24.5	6.0	5.9
FindPQuotients	26	24.8	24.8	6.0	6.0
LowIndexNormal	1	25.6	25.6	6.1	6.1

**Group :**  $C_2 * C_8$

Searching up to index : 500

How many normal groups are found : 1187

Total Time in s : 4855.3

**Group :**  $C_2 * C_8$

Searching up to index : 500

How many normal groups are found : 1187

Total Time in s : 4916.2

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1581	0.0	0.0	0.0	0.0
FindTQuotients	1	0.9	0.9	0.1	0.1
FindIntersections	465	46.8	45.1	13.0	13.0
AddGroup	12607	3776.6	3769.2	1236.9	1236.5
FindPModules	3104	4807.5	4780.6	1326.8	1325.1
FindPQuotients	466	4807.5	4807.5	1326.8	1326.8
LowIndexNormal	1	4855.3	4855.3	1340.0	1340.0

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
MustCheckP	1581	0.0	0.0	0.0	0.0
FindTQuotients	1	1.0	1.0	0.1	0.1
FindIntersections	465	50.1	48.5	13.0	13.0
AddGroup	12607	3830.6	3823.0	1236.9	1236.5
FindPModules	3104	4864.9	4837.5	1326.8	1325.1
FindPQuotients	466	4864.9	4864.9	1326.8	1326.8

LowIndexNormal	1	4916.2	4916.2	1340.0	1340.0
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**Group :**  $C_2 * C_9$

Searching up to index : 1000

How many normal groups are found : 358

Total Time in s : 197.5

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
FindIntersections	183	10.4	10.3	3.5	3.5
AddGroup	675	135.5	135.2	57.4	57.4
FindPModules	525	181.6	180.5	60.8	60.7
FindPQuotients	184	181.7	181.7	60.9	60.9
LowIndexNormal	1	197.5	197.5	65.3	65.3

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

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 101.5

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

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 104.6

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
FindIntersections	226	6.9	6.8	1.8	1.8
AddGroup	633	70.1	69.7	31.0	30.9
FindPModules	474	94.3	93.5	33.3	33.2
FindPQuotients	227	94.4	94.4	33.3	33.3
LowIndexNormal	1	101.5	101.5	35.2	35.2

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
FindIntersections	226	7.1	7.0	1.8	1.8
AddGroup	633	72.9	72.3	31.0	30.9
FindPModules	474	97.2	96.3	33.3	33.2
FindPQuotients	227	97.2	97.2	33.3	33.3
LowIndexNormal	1	104.6	104.6	35.2	35.2

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

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 11.8

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

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 12.0

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
AddGroup	28	1.2	1.2	0.5	0.5
FindPModules	271	2.4	2.4	0.7	0.7
FindPQuotients	6	2.5	2.5	0.7	0.7
FindTQuotients	1	9.3	9.2	1.3	1.3
LowIndexNormal	1	11.8	11.8	2.0	2.0

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
AddGroup	28	1.4	1.4	0.5	0.5
FindPModules	271	2.6	2.6	0.7	0.7

FindPQuotients	6	2.7	2.7	0.7	0.7
FindTQuotients	1	9.3	9.2	1.3	1.3
LowIndexNormal	1	12.0	12.0	2.0	2.0

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

Searching up to index : 150

How many normal groups are found : 355

Total Time in s : 85.4

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

Searching up to index : 150

How many normal groups are found : 355

Total Time in s : 88.1

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
FindIntersections	151	6.5	6.4	1.6	1.6
AddGroup	1071	57.2	56.9	14.7	14.7
FindPModules	489	78.7	77.6	15.6	15.5
FindPQuotients	152	78.8	78.7	15.6	15.6
LowIndexNormal	1	85.4	85.4	17.2	17.2

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
FindIntersections	151	6.8	6.7	1.6	1.6
AddGroup	1071	59.2	58.8	14.7	14.7
FindPModules	489	81.2	79.9	15.6	15.5
FindPQuotients	152	81.2	81.2	15.6	15.6
LowIndexNormal	1	88.1	88.1	17.2	17.2