

.....

I= -43                    D= 694300233

U= ( -0001216070001000001165700151431300113 , -13000700213999124000302160400034 )  
V= ( 0610767762200700000130101000122240097628004243617511950 , 213047034130107071304070707199837957007607107650272 )

J-INVARIANT

J= ( 1070020010027570161707106439990122401061307540431900211000000932500107047042344230100220770077005076701005000707010097  
244000457617100074231000013407400000770167102300007000070400365000 , 220001117113415470000020110010007730105775009  
70417024000431120200115000700044000700316067637715410037070310007256002057637127000742370340013407400000770167152354006750  
03070400363400 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT U=(U,V). HERE IS

U= ( 100511330470070093 , -1770004172422 )  
V= ( -1611330472220067070400701140 , -105676700604000136160536 )

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S= -41/2            D= 5792655187

A= ( -4097421025045754277017154307002000000    -14800100000017107170021212076422 )  
D= ( 527002504045125642632465000099604002730153007326777230010    , 1671004007121107061902645000076399764000070303274064 )

J-INvariant

J= ( 10700420447000010074300170702610000700106100170421101770207097704504110010000570252002107018322000506002700/0100041931  
07300070022770002570007005700100900050100000431205103704000002700700000    000043701200470075006170000171417000334700  
2000270000010000277002706474777142007600167710570001320/410064195107300007002277000627000736457061009060905100656112034103  
17042000270570070000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 000000904279730075    -21673700106204 )  
V= ( -100075000104567000104550070    , -24200997300210006750500 )

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0- -13                    0- 6620433  
0- { -7752144000179776148289799 , -110790440477074204300376 )  
0- { 795701707507453750075795044037643503108 , 1711131476293646776170020000009243632 )

J-INVARIANT

J- ( 0047000007000012075124575111711040056440003407700217023271264407117621060440/00175044000045574700707546365407022704612600  
640(00752799 , 11175133006171704401877242132035770524495207510245762319001704521707700153440000457470007055043154745354  
661800070010745260 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U- ( 0017505100125 , -1207700202 )  
V- ( -062004620757251124 , -16271176705503036 )

.....

6-7

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X= -11/2            D= 3762537  
A= { -8162220154167910099722115 , -2040076900637540002572 }  
B= { 130441263000310254003442743634051700000 , 15004737760631635160102027610900430 }

J- INVARIANT  
.....

J= { 490111212051000175079312212104130 , 870022240717170750222400237337704001000/2116300730023267100100031207647207406075006164207  
070515034360 , 212040004120117973000740941643571646119407300723440020020020042651419/211630075003336710010000120764720740607500  
6164207070519034360 }

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= { -202623300005 , -1212070625 }  
V= { -16710010660014106636 , -7315063100700100 }

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.....
uu
n= 7/2      0= 99320
a= { -621095576371824187, -1267053791836369 }
c= { 107712647963667120181729986, 648716503182190349459120 }

j-INVARIANT
-----
j= ( 30192700001265000010976372000006426594509119977291/3470000990104139800460022000000000000000, -.857614004063993511961401760
10964221040613147503/347000099010413980046000000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(u,v). HERE IS
u= ( -12043993, -1041100 )
v= ( -8759176176020, -50270524660 )

.....
uu

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.....  
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N= 11            0= 1261041

A= ( -64077701700704752275227 . -330821475600720421020 )  
B= ( 2560013666410547712266160750642364 . 19500139500533604775409500240 )

J= INVARIANT  
-----

J= ( 109524401520002620004710514921611010071225210007610018150417710521/2070556405300057125400704100764000000000000 .  
-11200401165163375610500004710182425101000027157575502708570001700/2076595640200007125600704100764000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 6479200000047 . -113276460 )  
V= ( 220401161071467500 . -204120241179000 )

.....  
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z= 34                 Q= 265797601  
 P= ( -11299094300000712011170044740057 , -2712014421800777437730020000 )  
 Q= ( 27501376134761130171300033090630063237576794719726 , 50709503504291410073154021569002000135475460 )

J= [0]001007

J= ( 17500060441302570052901900270040064700100090000100712766231200647114000037004414675330903575024172006370776220397509751010  
 614004107071203645470000017500000000000000000 , -10779726410056747110007243006157793127765797607520095904070706364085034090070  
 75364304550555072406370756225975009500106140041070712036454700001750000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.  
 A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 27200652175566167 , -16135841000 )  
 V= ( 120247001006101514091200 , -06743546640000851200 )

.....







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B= -05/2      D= 414783679129

A= { -9274000077700000018404306417307132010081700021017    -175013401021600004742300071300043000134120 )  
B= { 255071510990016005371076723090030070035304000942401442007000700193570    0273140611107004404001159404384700477070231307  
10000545170000 )

J-INVARIANT

J= ( 255071510990016005371076723090030070035304000942401442007000700193570    -175013401021600004742300071300043000134120  
10000545170000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

O= { 45000540771376150009703    -300701043370440 )  
U= { -5227077502000764121647553006377300    -150050006212002151015300217500 )

MD-P-VALUES

P	MD-P	TYPE OF DECOMPOSITION
3	1	0

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X= -5                      D= 95761  
D= ( -5412972040812306107 , -211061040724340960 )  
D= ( 100012000326400754072606517784 , 078517675101440112000766000 )

J- INVARIANT  
.....

J= ( 154408706611172707564070057426737030961007000954071321/272375067007990005520100000000000000000000 , 7227007062544070202100054  
007410204470000030051061600/2723700670073000075201000000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( -571503177 , -10095300 )  
V= ( -807160030617300 , -1075082072500 )

W0-P-VALUES  
.....

P	W0-P	TYPE OF DECOMPOSITION
5	1	D

.....

.....

B- 4                    D- 1903  
A- ( -1099027301030113    -2507054700134 )  
B- ( 544911061436000113622    12100771042102602960 )

J- INVARIANT

J- ( 10900034133170060003371027107606367009/74276320430921972634066010000    -236062561166036270422056740066405333/74276320430921972634066010000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U- ( 2400335    -76372 )  
V- ( -10034217216    -550000032 )

WU-P-VALUES

P	WU-P	TYPE OF DECOMPOSITION
3	1	0

.....

.....  
..

n= 23/2            D= 003697

A= ( -202755563014500065200070002001275    -1422672630735990022740152010672 )  
B= ( 64100065327600705001001700770500005136007000005042    . 00130537666007050750074051116067450170070036076 )

J-INvariant

J= ( 10030072313614142000000971705117021000000000702106004060000060000700000417127534770537751000/11007703160575760000510044  
051170000000777500100703100017600047700071000120000000    -160000700000100110000117211760000001110001000010020700072310530912  
50700001600076125701/1100770316057576000005100000117000000077500100705105470000475700071000100000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 41031003700555133    -0042310532720 )  
V= ( 370530063011324640310006    -5305400321121050051076 )

NU-P-VALUES

p	nu-p	TYPE OF DECOMPOSITION
3	1	0

.....  
..

.....

D- 10                    D- 00877078

D- ( -510449010473440007000420410047035 , -277810420001427507340010016 )  
D- ( 1500004475012247000500407099901071100483135432 , 11005472117100711100815059534200410330006430 )

J- INVARIANT

J- ( 0730220415273000447670470107578047011004805244000700457424277174126400455004734200022000/405817007517610412150102321247701  
77700041071370000000107011004805244000700457424277174126400455004734200022000/405817007517610412150102321247701  
0581700751761041215010232124770177700043001570000000107011004805244000700457424277174126400455004734200022000/405817007517610412150102321247701 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q-(U,V). HERE IS

U- ( 507960000004735 , -101045130002 )  
V- ( 13310007171000004400400 , -3407462700130001002 )

RU-P-VALUES

P	RU-P	TYPE OF DECOMPOSITION
3	1	0

.....

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E= 53/2                    D= 19122727637

W= ( -12251500702121609547707721657700047705 , -7445750034743015527261081150010949512 )  
V= ( 23005506430942724400000745319006791000591736003362301528307751742 , 5040300175500700544376070044770630775312296109^~5416300736 )

J-INVARIANT

J= ( 2216010030015300274106424200127330004610372771073209005467123654679926163000740712712371064065497110142002202045171670009/  
21234100420471160717100510011224334421700072400101067000414700071407070044100771100010043400 , -1601600000773013070161309/  
00070251747107000412190375711904001001700040012717004513057640007005577401602203627/213340062340511607379100753001123035  
64017500073400510106704461470007340705300644307912300000042640 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

W= ( 1260011043950022706475 , -07004000007000 )  
V= ( 1266220776200702351006100005016 , -100077504371304918518652706 )

mp-P-VALUES

P	mp-P	TYPE OF DECOMPOSITION
3	1	0

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.....

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D= 34                                D= 137600753  
A= ( -00047997124210161006704772251064205195            -6670641070004000000704130671006 )  
G= ( 33757951421053323001751044751049566011170461624570474227    , 2754266127001466440007045000060420417904270232202400 )

J-INvariant

.....

J= ( 6006120716953000102700275667070700474720047007700012761167040705004054372002705544340132191797001610014200/00011207704120  
60230940041001201007007001072170401972074670071015070007030000000    -110770012250071737000201404000200004131400070000704  
0004701004900000047010034367032410015251991734503/0001120720612430224740004100120194000000007217043197207067507101007000703000700  
040 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

U= ( 4005330000700000000                                -12210734510012 )  
V= ( 3010000400040700050017651424                    , -110217033001021055310752 )

Wp-P-VALUES

.....

P	Wp-P	TYPE OF DECOMPOSITION
5	1	0

.....

00





D-1

.....

x = -96/2            y = 1021000151055

a = ( -8094574706218311780019710003090199000999007075    -9340057722000510199511677999047990704000 )  
b = ( 65110010004121100767900010246004106400007907017600006169110007062001022    , 1120040816071063271997060070049019000070369031  
3514000031700061752 )

J-INvariant  
.....

J = ( 1267400001006772000600077000607422421991170006111039070002100000000000000007000077000700100000001700677420000007006774200000000  
7375707517600770073700700070079007007570000000011400000000000017007100  
74360    [53170000070001172321270070000000110007104071200  
23300570070006043/5531200070675404277417510000021142400000000157007104400233757300157100523300076511910700617076000765  
60 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

u = ( 2790067044040105705123    -1000307000510016 )  
v = ( -11901001071640770157007052101577300    , -1104670092000750010050500204 )

WM-P-VALUES  
.....

p	wm-p	TYPE OF DECOMPOSITION
5	1	D

.....





D 8

.....

D- -27                    D- 090831057  
D- ( -1107700407003410407609040300461722905    -1162271000207717040000762001912 )  
D- ( 9063071233226322002040050903634396700000696406300003142    7270047040075436430272236901367002543023003390836 )

J- INVARIANT

J- ( 65513652100075700037154100023417040070210405700716163006100060105371230715701001572163764739040100209/11712657410074731061  
6470400100170070001101331627015426491102114716100433000    00010013764770100010907670217765722961097613433795679012753959403  
2019630736150100096007000576320/117126574100747310610433000100170070001101351634154264953102114716100422040 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT D-(U,V). HERE IS

U- ( 403643337307012700    -8211973074100 )  
V- ( -10074005823536560742056600    -0467714779062335796000 )

NU-P-VALUES

p	NU-P	TYPE OF DECOMPOSITION
5	1	D

.....

.....

I- -39/2            0- 433700753  
0- ( -10074377704100054000107000962021047110085 , -642407003737004544000190207004200024 )  
0- ( 4233002700150002242447100425790019000040061612373000677001742 , 2000101900070771400000036400400700065770507053737105033 )

J- INVARIANT

J- ( 50740000010957700000000004470700700170007007227357200416900000420405313457353754100510007005712750000000720100200/10454735  
5002700057305100500172020000273000009100057001907000001207370073002241600170000 , 60070270451030000500710700017017000042  
30007343617000005000097005000102165101677037015100105300517000100700/104547350027000573051005001700000042735600091000570051904  
500050120737200790263341656170000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

Q- ( 50073707032012545243 , -132742010376126 )  
V- ( -23670437000070000005457022000 , -1129700300470010055705964 )

NO-P-VALUES

P	NO-P	TYPE OF DECOMPOSITION
5	1	D

.....

.....  
00

Z- -12                    0- 4206497

B- ( -9509654951479100300790916275    -1071200909453222047947112 )  
0- ( 200151476407002903276177531522267664497502    . 11099000046431075200063050200979519456 )

J- INVARIANT

J- ( 234000074000000220079015316770100001265216367676200743175322020470005795500729/4170006051721000000026117003720405900510036  
0079010033070000    . 110720000461757904770207000307900700046563043017215353109541170510000217650/41700060517210000000261170037204  
05900510534007021600347000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U- ( 20090067220643    -6400069060 )  
V- ( -34516200702906077120    . -151641045207042000 )

FR-P-VALUES

P	FR-P	TYPE OF DECOMPOSITION
5	1	0

.....  
00

D-7

.....  
..

x= -9/2            Q= 1331713  
a= ( -104130365006484700532606715 , -60702559106571703402624 )  
b= ( 505032101900715034001602220051010547702 , 300347005061107240064425509000207072 )

J-INvariant

J= ( 70010733705101644000405077070641107010220071000067711203005001705447630029/761090375064200507400070001421114455015500613245000  
735530400 , 600135605114310003700074265250034700721090000166742567000170401470113/76109037506420050740007000142111445501550061324  
5040735520400 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

u= ( -1120047110707 , -267237596 )  
v= ( -2200673700200000000 , -16011042251016404 )

mu\_p-VALUES

p	mu_p	TYPE OF DECOMPOSITION
3	1	0

.....  
..



.....  
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Z= 9/2                    D= 260137  
A= ( -00061007670151736138799 , -92428707600567362908 )  
B= ( 57755430272601190001037509741267082 , 11093300540004210277060604721256 )

J- [CURVE] INV

J= ( 1089607912540007007673764302135381615097608013271816092516000400/7307911001000073536000034052102720171012477051225000 , -37  
30653300075050991006141074368229172090019071000053301476301/7300911001000073536000034052102720171012477051225000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 05230101675 , -132310636 )  
V= ( -14017001909155252 , -133732501052706 )

rw-P-VALUES

P	rw-P	TYPE OF DECOMPOSITION
3	1	0

.....  
00

.....

x= 12                    0= 2101433  
a= ( -006000720647307771700061375 , -170613000093000219900656 )  
b= ( 4700040150100400647155000471010900432 , 2221009701634940300450600642403333020 )

J- INVARIANT

j= ( 765775070022000040060070100045664704106470700310510075700070106934300443000/2704527607065706534072723100157007073134370706  
700470000 , -51017040031057370007200507070070344300660000700011700610000164400047053/27064537007065706534072723100157007073134370706  
3707065500470000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT G-(U,V). HERE IS

u= ( 17510071700015 , -2165107400 )  
v= ( 31330005670670516532 , -20120070100004272 )

WU-P-VALUES

P	WU-P	TYPE OF DECOMPOSITION
3	1	0

.....





.....

E= 60/2            D= 96206402957

A= ( -210061000754373051770022023702195367071124435 , -1264670702710022100075516410006464477 )  
B= ( 1847081640071970464527166007961300014052264011571644742420142777002 , 54049142160010107547000006173321330643064270027530230173231736 )

J-INVARIANT

J= ( 6079000413411000041007910707905004001002310547010772300426400215762206172001640021111763491370040000054105700000570100003  
4000007430011700710007043700200417010003043561771401197151100413104007113500270027000070100406300111000400 , -1070074110075  
632007900000021100150744070111270075704000111100402700001170011000077043340104364430003701300642116440533073001/430673306213060  
70679703960403703360650439437514263371531190141225407537600027007002293709040630633209000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 31300007207014081622003 , -7626752742902176 )  
V= ( 12004067433462733745603766109420500 , -6450470105225337041105611106 )

RM-P-VALUES

P	RM-P	TYPE OF DECOMPOSITION
3	1	0

.....

.....

X- 42                    D- 4996451633  
A- ( -1648800574130005308171988437648400005795 , -31386324072200079517267754752896 )  
B- ( 78518716640000421420498901400600025105510712251281915835580 , 249622662843844784802008322375200963804736500109006791868 )

J-INvariant

J- ( 2233611064263011240002051536695274754795100102987081004784787225844263106777070107907751400107220610754647540700129/4300120  
70115119404157171405341380710007100071000040130537132000012177791413707530 , -11380570060700013700071810007100725105400  
04700715720237460405717280711111107200003617061077056395100021/49001200115119006615717140534138071000070051090066754363457  
13270960012977701413707530 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 18 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(u,v). HERE IS

Q- ( 82029541617119908375 , -70426081241900 )  
V- ( 15861198836795609127013095190 , -2251607036562755003623072 )

Hp-P-VALUES

P	Hp-P	TYPE OF DECOMPOSITION
3	1	0

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..

Z= -4                    D= 11001

A= ( -7071057004126307 , -53511376110040 )  
B= ( 200804120270570061649164 , 251475600700073020600 )

J-INvariant  
.....

J= ( 157342420046704750270716070329510016127654401/84443601750320000000000000000000 , 1440440000413753002405105060040060205057011/  
84443601750320000000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 x 2 x 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( -15060633 , -230420 )  
V= ( -542044771640 , -4421013760 )

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E-8

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X= 5                    0= 0241

B= ( -66810007030507 , -6973220303640 )  
0= ( 0001240236059470191000 , 00714413707029004600 )

J= INVARIANT

J= ( 540044105247610013954116779457771264199521/17036006125540000000000000000000 , -6176020906196012160240015730060095075351/17036006125540000000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 14126007 , -02300 )  
V= ( 600795000 , -1076355000 )

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S= -07/2          D= 003203671037

A= ( -10034130543083461642006360609000753276154232099995      -2367705112010000153100010417009900430000712 )  
B= ( 3100001000000000710409541700700637500076422643060001016270620000025442742      ,      30329605271906090430074765333110790004061002079  
633470710100017136 )

J-INVARIANT

.....  
J= ( 20710734229063097320736105126004670437602270007770007100120170076354300676301370427966300700125003177910426700130021000305307  
01211376725417000010007106710474507100000010033400007176023001000010430034000017407702100100011701453000000000000700000152  
2040      312025700270177331644000003100000107000000000251004000011300010007700007000700000044270001131342711990100007400151  
3101760001510710671044725070001001403754000075707100516300001042043600001740077021042100011370149900000000306670407005152000

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 ADD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(0,0). HERE IS

U= ( 2100014530064057900207905      -14096340705302024 )  
V= ( -0420049033070003374705340020653004      ,      -043636114522750323004409500006 )

mw-P-VALUES

P	mw-P	TYPE OF DECOMPOSITION
5	1	D

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I= -01            D= 3243004353  
A= ( -21930073110230000796334004100070077340955 , -4137341009333363904632591910075004 )  
B= ( 1200677003505342110010634076106300024726403016261400620340222 , 3407475022095333100390004700002900079000260001115600 )

J- INVARIANT

J= ( 0195070067530215073041040094400097000083254200513670750000337010070023109525060050000021090470437540770040000050009/5074197  
241021007507172344000004010300000000047241100170400001099463000726220501200 3770010011000000705271007303114001332002902  
70427300404107303320956170000557002347001400412000074301431061750701972105100730717054000000410700020069504756415001744303  
0010954630600706200301200 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 7160940122959110433 , -09060077673912 )  
V= ( -106530150051320450095706000476 , -2601096166333477060001052 )

RU-P-VALUES

P	RU-P	TYPE OF DECOMPOSITION
5	1	0

.....

.....

R- -67/2      D- 10000052177

A- ( -8000500005770566712000430005704210075005720;5    -1647000648576300670613071567005020522272 )  
B- ( 67100710650010077500675400200000753224707007053204112050420014000542    520062450200017720762710767502070006470644260773501523  
03707256 )

J- INVARIANT

J- ( 121205211910006212270007075000099022000010204000700505307100150010100007000124700520062014004226707501000004500000000711  
75007000751000075007770169511262176100700750752794270000757500001000075040117000007007572602904700067539060    005400000752  
47052310075717000706117172744114000070017001500020000070001771000004000411251705000100211110037001776/513040075007776  
16551126217610075007555125742703000752700001400075043117000007007572607042702967539060 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 X 100 IN Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q-(U,V). HERE IS

U- ( 2616044232000572106005    -005107000205264 )  
V- ( -17030442305044102607041213000004    -531000645062001710650426076 )

NO-P-VALUES

P	NO-P	TYPE OF DECOMPOSITION
3	1	0

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R- -26                                 D- 361100255  
 R- ( -02364119004879776410750071970000475   -9572207007760091024107751252176 )  
 D- ( 17540045100010045002501-000250010957003000016001312022   . 2754090750130646772900446400704210151204251572000 )

J- INVARIANT

J- ( 0623902770000100020057620002764960000010070706050013205100027006075070702414220050442000067105170000/15000032070002200000  
 0037000205000040007502700015007000001100001320001368   . 243002070002010002030000712072700750170070007000201100016401125  
 7326007156307000330507125117/15002032070002200000007000305000040005502750001200750000432000375700042360 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS  $2 \times 2 \text{ mod } 10 \mathbb{Z}$ .

A GENERATOR OF THE TORSION GROUP IS THE POINT  $Q=(U,V)$ . HERE IS

U- ( 307611600010050435   -2205752266232 )  
 V- ( -10276256752910021470025276   . -50700300011023074007512 )

$\mu_0$ -P-VALUES

P	$\mu_0$ -P	TYPE OF DECOMPOSITION
3	1	D

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D- -87/2          D- 3106400697

u= ( -5107400620421027407175720040754311763483       -1488418796149540073263024417440032 )  
v= ( 4081620087634000700430162575400200125041443751263734042 , 5141851006754606422057307405010620797051206000040576 )

J-INVARIANT

J= ( 101009078200200044717440242710049400057014000067020607132620022622425169262710197500117542107270177501054009/122607642  
882863212974870170974493000570030513002067140870400091006109157000200017000 , 100016511200001700027501000000000000073007  
7910007620007573477207761478140912042712996575000001000050077627/12260764201126121297507017007126273000570424513240526475200744  
0607510061091570000200217000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

u= ( 2122740606540884925       -0057620404004 )  
v= ( -10003262714201244050728106534 , -1634720003006706095400356 )

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
5	1	0

.....



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E- -11                    D- 2576113

A- ( -134074771200004309073116995 , -502335733100000164300034 )  
B- ( 2007077474000016335720300016606260479022 , 6095403434004756336046107002006497600 )

J-INVARIANT

J- ( 43409427410004070407317030027137900401347001040130010063170270000791310000/46064102262622950699799500276776005140067007210  
5000050600 , 300210170231095954150000073400071630750016501203000412906332102960070017/46064102262622950699799500276776005140062  
0072105000610000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT B-(U,V). HERE IS

U- ( 0101500606735 , -3251670432 )  
V- ( -65016002707107150036 , -47000034000073072 )

FW-P-VALUES

P	FW-P	TYPE OF DECOMPOSITION
3	1	0

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K= -7/2                    D= 900017

A= ( -670000072613411803015595 , -93537111001955267992 )  
B= ( 277051066170953091001015167102256142 , 020071157544700603242833673017096 )

J- INVARIANT

J= ( 126000637637647510916700164001000414477540043910016000032700320009/45061673263169450790005506000065007676764470007540337400 ,  
2036042771053656340721095104215005006733171761100302421010784679/4506167526516045050004550600063407676764470007540337400 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( -212137010365 , -002001344 )  
V= ( -501705041240010644 , -776006042447036 )

NU-P-VALUES

P	NU-P	TYPE OF DECOMPOSITION
3	1	0

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N- 11/2                    D- 971953

A- ( -1212440001795409755102635 , -11263049536425120177020 )  
B- ( 21715364716063629170402523697230418342 , 21629077512754661709708247793263282 )

J- INVARIANT

J- ( 31250500129736108171197513107637071395242600770039709577522101244310609/10631270377519006902902503244477001030434725066711600  
2794200 , -54030001004821102074690039021440820444299031310017097530653463116107/10631270377519026562042503244477001030434725066711  
6002706200 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z

A GENERATOR OF THE TORSION GROUP IS THE POINT Q-(U,V). HERE IS

U- ( 2223121206343 , -061207256 )  
V- ( 726577372915366500 , -0720906506205064 )

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
3	1	0

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K= 15                    D= 360097

D= ( -1704575755136024304101001075 , -950046957552164416315112 )  
O= ( 07513207320676560336953095000313447555100 , 33712155579537021545010030020200916054 )

J-INvariant

J= ( 3410217366447377000120651475167540613706008720046170200040007021309511044706129/25642354290612002971210001672327347605702996  
37511095767000 , -1793622296040000120000545047005390010406071475035103742016727002072025070701/2564235429061200297121000167232735  
07603752996275110935767000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 47953765040263 , -4200127044 )  
V= ( 157607622200660363400 , -05510700003426400 )

mu-P-VALUES

P	mu-P	TYPE OF DECOMPOSITION
3	1	0

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.....  
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X= 41/2                    0= 999903313

A= ( -5770064165100001700900210707674500416515 , -90204417062000672000072030032705624 )  
B= ( 170052726467550163620412523014000501005770435040002702244502 , 1252439771215011210062504733007324625105251316745720072 )

J= INVARIANT

.....  
J= ( 11950075512001477914104540040026657620023920410004705250000600210279571067006119900567530020002000050051200320/14302054  
50000770033477000070022200010777050017891636533000273710425613791000220064001000000 , -100000000014001560005500041651750072056  
1000073240122700720000042061150060061736100105052000420530560472337/143020545000077005677000070022200010777050017891636533000  
5737104256137910002200640011010000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(0,0). HERE IS

U= ( 35045047000502007000 , -103335601580600 )  
V= ( 155320172003233150705510705340 , -20647570055101070040030004 )

WU-P-VALUES

P	WU-P	TYPE OF DECOMPOSITION
5	1	0

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00

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DO

N= 20                    D= 010070737

A= ( -769563060951125671523001300703000795    -837014472125952547006474163512 )  
B= ( 2646095776015066532737504000277655004240242066090462    ,    4254095540150900340600700400601642729041047042376 )

J- INVARIANT

J= ( 273562400004000040030050001015000223632950047506505661720903370417061607640736617053476294573050014369/04002262297607743570  
04141490000400004006177045632710724124000041056072000709960    ,    -13864729542642954177772109941000653626222272005643531063116540371433  
75006162463505500009911373500061/9405220020560774357004148050030446060617042632710724124000041056072000709960 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 605600561590057023    ,    -2677530220100 )  
V= ( 127421617406261200140200640    ,    -6005735550000951054360 )

FW-P-VALUES

P	FW-P	TYPE OF DECOMPOSITION
3	1	0

.....  
DO

.....

X= 71/2                    D= 11063402273

A= ( -490075213700732176771900073000467106400254395 , -226706426375213273220077070571359044624 )  
B= ( 113811107717165511091421090014424975649310120370470015275405250062262 , 066354240433064343646175016390901520170053647536400751401554012 )

J-INvariant

J= ( 0052076797250389064643030216540070010047000010070070540006510012104000200100345703126110044007014306010432332110214700206170702769/204612454051100510465147021097002024700070000000154991061207003101722100091100375007077000756100000 , -146270506724631000007276307371300072670057605421344777700047004003416506721670655141001720212010004107500072220014607003600127/206612056045110051046424702105700301147303070500000354050461207202510172054000110057540707677000756100000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 44310026772267047024063 , -060040010005756 )  
V= ( 2120517005732551602205564720534500 , -6406570510000001200006403644 )

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
5	1	0

.....

.....

N= 43 D= 4765007

A= ( -2042095200191974316002754344095409979475 , -9910071790011009437001000045370722 )  
B= ( 1050700177090810075100466700104622135505703400576400002700022 , 57316707220449000257717034433072317350031770040400540054 )

J- INVARIANT

J= ( 121570906400700472010071373306116000411155904611571614224522631010223737300422470040073000734000070002000617000/139112  
3007021000670310710002271110005401000012072317001009540425100000211443713770 , -100040970047000951014700070113700181251001  
451301341712290325041157100012010659060754306503590015563300351701/190125400700106506705520100022711130045001000224725170  
9100954042610002210652115770 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 110253070371052006003 , -991070032232700 )  
V= ( 225561477106161670075040234000 , -14620750002095404260700420 )

WU-P-VALUES

P	WU-P	TYPE OF DECOMPOSITION
3	1	0

.....





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z- -01/2            D- 312000729037

Q- ( -1407000777707517767534272000700407640040077037 . -60170101263440062500260210700000055700077 )  
Q- ( 51000122906173000170470570612040000000015005170654017510607570700502 . 20370315246101551142277077009536310210073400524764  
40040126119536 )

J-INvariant  
.....

J- ( 00040007090697616704614100070497600300362010007509100067072475472007000471044400100007403744701700040001071405177707  
061400400009120411772457040070270120070001110000172001120470611077010100700553110040000217002077000411307007000 . 140  
004541027100411007747011500700041000704130377125701040000010000000000112050000112047000112405410116370000000722200  
/12063577037040070914022007001612270005173705430670651075010100951655314000400053240000770004223307007600 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT B-(0,0). HERE IS

u- ( 253270411470004902105135 . 30042007314700076 )  
v- ( -410033140224320540210000535154002 . -72000007005410704603215435104 )

W--P-VALUES  
.....

p	Wp-p	TYPE OF DECOMPOSITION
5	1	0

.....  
00

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D- -33                    D- 1468233633

A- ( -17983446610006197744006100990213700195 , -50990570019713126117330027010006 )  
O- ( 37576410051775072751350011752360007620074010003375765102 , 3046820004953312015426110657090140575437681195147760 )

J- INVARIANT

J- ( 002400754516440070004131307000075794657002442195770200077219540000017100005729904070024795200409500740070529/40957624511341  
41647950001115700010421946700700010001132270720150070533000425720 , 23615252327799000112094752799002307700014947047001300123  
7021050120000953622429907050021200710036500671770095742451134101642094000115700061032154670900001060113227072219017625130004257  
20 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U- ( 533403440097000475 , -13341260332600 )  
V- ( -5301057004247000245000700 , -131099412001706032160572 )

QU-P-VALUES

P	QU-P	TYPE OF DECOMPOSITION
3	1	0

.....

.....

S- -51/2                    B- 20657921337

A- ( -53750076465124063972148179074057605102775 . -0000013370195143101577215899002151112 )  
B- ( 472396498062496390062490501575101125409095061057200734932764062 . 1050210049030757032951053303501769700754006406996462244677 )  
C )

J-INvariant

J- ( 520500000102710630011570456100224072411121011620067000037062440572001400017644107409637460940074426727159064127501060760/  
3609700001700703100471154709011104900011272021000001677001439514210000015070001611470510000 . 000026091727507000405010543  
0010613070470010703063242512740000420010010000010351407000067140727061721006536780/26007006370007031004735270050313045  
03001229025000001670016255743100000415070000611470510000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U- ( 000520533700736622113 . -1035000070064736 )  
V- ( -10436244872707000670341125801072 . -127284979002310546275174906 )

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
3	1	0

.....

#####

K= -10                    D= 4260033  
a= { -99400120000750000250056000077315    -4511676775701600600001300416 }  
b= { 309547042076200751017010405500604061010000007702    25767290007160267733500001544120620757575400 }

J- INvariant

J= ( 321072204749006590270000118104202500006105010010570000517006712551101000090063666600164275640/61754067819064024009006640407575  
1073475275104709201001607376107563400    00007370000000077767427600010756140040750005701201711123400037650005003434225743576675776  
17540675190640240090066404075751073670275104700201001605376107563400 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

u= ( 3725227520610075    -140207501360 )  
v= ( -240111741117130757606600    -34067169517707005472 )

WU-P-VALUES

p	wu-p	TYPE OF DECOMPOSITION
3	1	D

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x= -21/2            0= 126993737

a= ( -0121422079060706029600620210640075    -334710330622620727907007345132 )  
b= ( 2008220707225751670016204347005320530400020600621542    , 172520001101700052523004701000500575406275350016 )

J-INvariants

J= ( 12520734001044102100100146507073062000542072012500009752700432005300570674000120321500270047400/20040006001470700435007530  
2400021047527072100310047010070020040727004770520    1111000007120020020700501775131073100701500017005004575057001000400004  
1700050000100420220/200400060014707004350075304200022407527052100521004701007303207060725004770520 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z 400 IS Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

Q= ( 2101207004002093    -1212100106000 )  
R= ( -1071005515000700002575132    , -030520047350001069904 )

mu-P-VALUES

p	mu_p	TYPE OF DECOMPOSITION
5	1	0

.....  
00

.....

00  
K= -3            D= 2033  
A= ( -204005586165285 , -2400022761736 )  
B= ( 4665057409070754662 , 851656133459367951200 )

J-INvariant

J= ( 2840476797500021047036070764900133303160/721945273640411165770200005648 , 441616249347076153510009559070632106777/721945273640411165770200005648 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( -1500045 , -350100 )  
V= ( -32710760160 , -3773134072 )

rw-P-VALUES

P	rw-P	TYPE OF DECOMPOSITION
3	1	0

.....

.....  
..

I= 6                  D= 26521

A= ( -7482947402194311787, -40444569691970160 )  
B= ( 108163920002604476760447004, 6139624701620607074012000 )

J-INvariant

J= ( 15653075400495473619030414540197202200276910607001441/6170257409776000053030000000000000000, -92430509133176774400126735100301471198761735360010/6170257409776000053030000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

O= ( 1903312003, -4300120 )  
O= ( 26687091757200, -604106016400 )

FM-P-VALUES

.....

P	FM-P	TYPE OF DECOMPOSITION
3	1	0

.....  
..



.....

D= 27/2                    D= 202560009  
A= ( -164913099427003107504447169000060907     -4475054465353750777505136053000 )  
B= ( 27000074244345300014106270500523360336240600563301004 , 1000583201601403490019403975130070034005010524400 )

J- INVARIANT

J= ( 20256000900426040730007001000153753600010153004620007009902001043007004016537537510003140000741021/100000730000777644770  
70072001049441001510000100002230749531230000000000000000     -16540000000000100007024742215000040100000001154037202343037757  
62142305120005327400533600445763/1000007300007776447707007200100044100151000099400402230749531230000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 31426510064490663     -3046571360100 )  
V= ( 7221507710094553502905500     -5340237353780122010100 )

mw-P-VALUES

P	mw-P	TYPE OF DECOMPOSITION
3	1	0

.....

.....

X= 21                      0= 71204001

A= ( -42126045540313333412471001535747 , -22160004255045071432631054000 )  
B= ( 6335668716204001000453007540222647200100707507214 , 310880944516429904636224102030061044022002120 )

J-INvariant

J= ( 15212400406770707211117020732545531507017009740000000011203270074036754300671071720147004161/11607572410007562041045931533  
54041105413087511540100000000000000000 -100170026437575413000042209577083170912000017200720049000234676020050754004570350  
17017070/116075724140075420410455315230406411090130075115001000000000000000000 )

A POINT OF ORDER 10 IS 0-(U,V). HERE IS

U= ( 10050221050400305 , -246747320500 )  
V= ( 702063471061262624450720 , -106735462879361150070 )

THE ORDER OF THE TORSION GROUP IS AT MOST 36.

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
3	1	0

.....

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.....

B- 36                      D- 1951753641

A- ( -56679500771474540905974041610104146787    -1458137902217629120976410606705120 )  
 B- ( 2754295234152000500015770077302426109040060299760075452334    , 15627057582649532158246454316837053132993600079646560 )

J- INVARIANT

-----

J- ( 2627102722669000790299306267044327870697024358993541810615882907490100406606902701610074779030250050000752001/042420734300  
 098271687295417922343944443129001261775510441877901793000000000000000000    -66264526717844170932020077207931542976144096241000000  
 072376007300173507560690006750613430224630134322175007043420734500493216072054170229639466627250012637755104418779217510000000000  
 00000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 18 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U- ( 12019550677510609305    -21109400071740 )  
 V- ( 10821566221796087237750050560    -249585903267090659247360 )

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
3	1	0

.....



.....  
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X = -60                  D = 4551048801

A = ( -147509345514209322659008622977506729147 , -1144000136495033630908770085760600 )  
B = ( 605700702067106436685007560105747261013064575707008751205 , 220117004617700064300906408720033064959941602454760 )

J-INVARIANT

J = ( 111200400631083240749797000141290076170005125104404209510757295172000312430090700000644320001754070000001720752330097  
60457447740700400010075344742000413207002002347500000000000000 , 10510770720314001732406447400030010000017320610017  
200173207000032041051072477610051307724507040016307074110400704015544750070000000120034474000601120744238100147500000000  
00000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U = ( 5021000310677033107 , -7607065947060 )  
V = ( -602100036097161543632400000 , -60001400073034145300000 )

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.....

x = -65/2                b = 69437932049

Δ = ( -10000104700001410061202022002301170204709207 , -11201017253430777014736613420073717600 )  
D = ( 117554796066009220000705010715707501152909021009047530001150706 , 20105072501010501057005102700165027000500099045010010073  
60 )

J-INvariant

J = ( 22110670778001673000020564750027000007737014007161297007511500400073500100012764611579020052247119613757051637000640076  
64110002277757370120470071500400017020007061700000101071021700700064100700  
370757634496473000071616421630000000715000027300001111711067300042110701369200011106111315640277757370072347005715006  
0001720607051631007510105305700700004000 )

The isomorphism type of the torsion group is 2 mod 10 2.

A generator of the torsion group is the point Q=(u,v). Here is

u = ( 202351065607590623127 , -7707076660000 )  
v = ( -3905605016262795001016095003700 , -12007950000000007579700 )

.....







H-6

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..

E- -10                    D- 1510521  
G- ( -2046207042705342200047507 , -790001262507125379120 )  
H- ( 1199420820705450444377067271470221766 , 641505631833127004273500079764200 )

J-INVARIANT

J- ( 10051777121404011060030455204440405420442079516821043072070044000100401/52401061711602205309713035009769420000000000000000  
- 12005727756294212116428135708256176450700007754400200895150757442075309106171160220530971303500976942000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

U- ( 107001012027 , -182095200 )  
V- ( -697261290364100000 , -505000027500000 )

.....  
..

H 7

.....

X= -5/2            D= 70000

A= ( -13700015299471210427 , -05973940241000040 )  
B= ( 26260012050611775407107301044 , 02600105325710731329517120 )

J-INvariant

J= ( 353563294027000734017601015201520721042703070567753021/1205107760190661700009510220000000000000000 , 1265027060075162170000  
042196550006764257521010245603/120510776019066170000951022000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

Q= ( -1354950953 , -3097220 )  
V= ( -160076446732500 , -545042452900 )

.....

H-8

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Z= 15/2                    D= 2079097

A= ( -12009944504470022062040035 , -6582100000154068040072 )  
B= ( 83250795227407620450351227440041018100 , 15140706015406353736074620400564844 )

J-INvariant

J= ( 740084200142000460676440092090413062075152322082106572200050049520077240/715115125030135735101617070100001016739576071830012  
33047000 - 819002545430165661795740464782026167074201/351795016095064609006302461/7151151250301357351016170701000010167395760718  
30012333047000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z 400 TO Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 2650040000715 , -51040656 )  
V= ( 163276205799512700 , -267020501474200 )

.....  
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.....

R= 10                    0- 5755913

A= ( -3050909700095500302551001505 , -36000136630295667240576 )  
B= ( 2195153774066797927269006570637000279310 , 567233610105450700127009047017970752 )

J-INVARIANT

J= ( 100603079370910300630423075300906750111013200058906031070089400509100555175160/25571250083707155350067000100000315034101000  
751079007000 , -500937712053554000200307053000504170070011261000105773075052710450012032000/255712000587071553500670000104000031503  
0101800751070607000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z ADD TO Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

U= ( 13421670307013 , -901736120 )  
V= ( 19056376001237037232 , -1000501608507936 )

.....

H-10

.....  
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X= 43/2                    0= 5279832217

0= ( -232639000072017205812002270040785835 , -93459544720760104944112842020032 )  
0= ( 140959763000634247076210954340204050406270796540040001850 , 6200015871209961752509000175576207500200907307076224 )

J= INVARIANT

.....

J= ( 4501857164703409511645490041079004500099226774762264902343646300041500594050853645300430720411272762764404968640/30827594133  
4157011807944780134127170175295142104450752016191306836104050399005770470072520 , -067383409000101079422400270099912699040340044  
806262009752002451429142001199476390475136377901511641771011/30827904153613701102700475032412717417534514210445005201610130683610  
6253374006770470072920 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT 0=(U,V). HERE IS

U= ( 10064645790418776015 , -17076940095716 )  
V= ( 11606515000610440461043700220 , -10225053704990005600460 )

.....  
00

.....  
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X- 29                    D- 519611793

A- ( -22540901026309900470331914307522115    -21250622070009430410771000456 )  
B- ( 13252906454430950701000300995725000306070623757510    , 10391466267000423527270007175650047179954545502 )

J- INVARIANT

J- ( 55410040076779040953402407519017012700776100900860277775400151000007370110540570003490021510746360/0012059027430120100210  
2133000100454020577501126510902205176900400000720    -2430057700010040094001447521707010001162007331504270741275445737546405  
05002703554031347200/001265002743012414302102715000104650003057750132651000220517690400000720 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT B=(U,V). HERE IS

U- ( 100142007631910013    -297276004300 )  
V- ( 0735361540050023761015502    , -017307054425600004616 )

.....  
00

.....

00

X= 75/2                    0- 155054003537

R= ( -107001247573007116500162977232400712771010475    -093497760474227575951000053764370352 )  
0= ( 8112278246001100718320360016950002727075106189000009994001017900    , 29440016469000910507307252400100265127003999101928726704  
9904 )

J- [INVARIANT  
-----

J= ( 3795536400746300760950035090054105153717115003479011000053387901000002700071000002700726476360931771200000122270040  
29609/10070051200000010010101502320000700720147510037270072007700311620757716310107531400000147070405200    -157870717248021  
0010015000426100062000003950000010007641007501379472000012070100000033120120110076370500000271490161/14091051200000100103  
019621200207607201675100372700720007700311620757714510107531700100047007045200 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( 609600007131460200515    -134470177567076 )  
V= ( 1274205750014010101010034205070460    , -360091223545520300240070700 )

.....

00



.....  
00

K= -07                   D= 11706001587

D= ( -55172472647270643000117120099770007773 , -407070050000164000000731002120517 )

D= ( 1513407087301307446113120013000000000722000000451073106617 , 2544200004121300006701072340000770047600000000481671776 )

J-INvariant

.....

J= ( 674016734000100077000001277640030067000717000000170100107100000105126400723000000441134904733700041771731109.777  
.....  
04435473531071100700070000013450164768 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.  
A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS  
Q= ( 84401647400030007333 , -24530011001240 )  
V= ( -1622793707248400306100100160 , -1709667640177351602201060 )

Nb-P-VALUES

.....

P	Nb-P	TYPE OF DECOMPOSITION
5	1	D

.....  
00









.....  
00

X= -10/2            D= 72646793

A= ( -878378422422670004769518732755    -5151947645774013900048162024 )  
B= ( 1897547547574112753599308725425185463000619708302 , 87212342200623313000317190157046011733127992 )

J- INVARIANT

.....  
J= ( 144159519011722100630049940034112753722732000610970100117013004117570030102000048702754000/11099099767611201005107311  
144160470005306300100740904812204004740177000 , 100111897000016470171303613130214000070057540610010006551102272512321776360  
550010007013/11099099767611201603183311100160700061246000100070094012146366224317520 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 9007252950720403    -575042475316 )  
V= ( -21007655206164507000940 , -220432218101476406524 )

FM-P-VALUES

P	FM-P	TYPE OF DECOMPOSITION
2	1	0

.....  
00

.....  
00

I= -2                    D= 037

A= ( -1160075720095 , -52441242912 )  
B= ( 649501507026100702 , 311144124620095586 )

J-INvariant

J= ( 1428053922667455628004207046600/0636764540003546216400 , 64612113365722525416456300629/0636764540003546216400 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V). HERE IS

U= ( -556197 , -25400 )  
V= ( -029000000 , -35507000 )

MU-P-VALUES

P	MU-P	TYPE OF DECOMPOSITION
3	1	0

.....  
00

.....  
00

x- 7                    0- 71255

a- ( -406310163004241861715 , -1347214433420154616 )  
b- ( 4557900174117601106600430055503 , 15012210744507039046040701600 )

J- INVARIANT

J- ( 4054330703607047779007105707643760410004610050044500222000/01144706447064704006731034020460063000075000 , -15100734057400351071602942307060044012310600076431736543/011047464470647064006731034020460063000075000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT O-(U,V). HERE IS

u- ( 16044320755 , -10127360 )  
v- ( 855035164160012 , -7200679064972 )

PRIME VALUES

p	PRIME	TYPE OF DECOMPOSITION
5	1	0

.....  
00



.....  
00

I= 20/2                    D= 057109757

A= ( -100024007013004445647000446421700275    -2075227004360357430213005164552 )  
B= ( 01240200471070032005000530037100004007510037212517542    , 11500767750630774111060555706090405147530333735416 )

J-INvariant

J= ( 4327054430077630061564175701000422007200100517112070430647064166070740007010040264221145501600000030600/57006951000765372064  
600700700013410077010009100495101100077202100015070510120120    -2700400445016100067075130000771504000253717721400000560377  
11171052700042016004551104501010064317570007010007650720009461407000013470377012000510545071011000577242100015076510320120 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 7 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 765040700203006305    -3601941604006 )  
V= ( 266635511000534427001500660    , -15460701251010007001506 )

WU-P-VALUES

p	WU-p	TYPE OF DECOMPOSITION
3	1	0

.....  
00

.....

Z- 22                    D- 9500033

A- ( -1006430216722079015006470105253435 , -30100101500030042376100061036 )  
B- ( 354260275407000400471702532556023305104010401754262 , 1009979111207106010252744320054605250021050000 )

J- INVARIANT

J- ( 40322079790277900500000017900702506460000615062270004200540057006104105615600709957772010360/1532370020010706222171654906  
0643445550076150521610500019076333700000000 , -0950707625700150014100070000101077323746251007900532011064000020120317520160690  
01506431523/1532370024010736222171654906404049553476150532161050001507633370000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

U- ( 31024142205136435 , -36367071340 )  
V- ( 1009920009170653037300032 , -209561432371024403072 )

NU-P-VALUES

P	NU-P	TYPE OF DECOMPOSITION
3	1	0

.....

.....  
..

Z- 59/2              D- 8680070157

A- ( -6644013472976746540579807528652717147301993 , -5120113372300073073701137640720053752 )

B- ( 1246000720421040400044940006474531633431204011794013245271501322 , 20160000204272001979917634062202622434213674379910010906  
6436 )

J- INVARIANT

J- ( 60572416000010063540011609771200010444000010010002010971722700001172040000012130270739901250007400047200014022010  
0079744574710735273020071474297071000740072000730170040000414370001044070002010090400 , -51200017000110000914  
0079207104200000007110104321003507100047346751190670011170001203670717210013475100012131707744574710735273020047847  
242570551404094075900077507506410544042241657000094340900104000400 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 2.

A GENERATOR OF THE TORSION GROUP IS THE POINT O-(U,V). HERE IS

U- ( 440000704320007079975 , -210737500462756 )

V- ( 83431623165197750007012007024500 , -472034217133200700759304706 )

MU-P-VALUES

.....

P	MU-P	TYPE OF DECOMPOSITION
3	1	0

.....  
..

.....

z= 37                                    b= 286982433

a= ( -721791204941102340211721310957610010975 , -72146720573449980467167010710254 )  
b= ( 75357150067451050470517002107073800450093703706307001262 , 5060950507504720377537004534031075120403100720705120 )

J-INvariant

.....  
j= ( 21941004445140701247601501070004236401007503900011247000010077401295727544027120001021100010448110444009/42351600500  
47097111700347070174301095373000700000125700000142000421000000110000 , -85477100170000120112000000044730100107000  
01700000000072000170000070540000003753609021755170000/427516005001057213170095470701705000001209075030001056700030144200021  
004030519000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

u= ( 17040042004270070015 , -26017191117220 )  
v= ( 164333470021300070000000952 , -50764526761770031500272 )

NU-P-VALUES

P	NU-P	TYPE OF DECOMPOSITION
3	1	0

.....













.....

n = 0                d = 00001  
a = ( -193080010140027044367047    .00077000000000000000 )  
b = ( 26015107646417541202301450006.30076   . 202107102302770507531000001170000 )

J-INvariant

J = ( 000116407001763000473001120007112010270070300004700700070001 / 10070010000341007107000000000000000000  
0 . 0700000007074330007703300001700001743000009000743710701001001710070441000010000341007107000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 2 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

u = ( 7103463400    . 7307000 )  
v = ( -9342500360034300    . -34360400009500 )

hw-P-VALUES

p	hw-p	TYPE OF DECOMPOSITION
3	1	0

.....





.....

z- 15            q- 8826721

a- ( -13906757712442970408418881747     -1972137542711617041009509 )  
b- ( 2106109223284173792375083176640184471508814     4827710015871263127763279227525095209760 )

J-INFORMATION

j- ( 17370174057706370009000100100107744281475000021000001772440000043760001000077001/017300000070017300017714001757770005  
43642000000000000000     -2113010171047004599005407701700004300517980750007620442073000400054000010431/01210000007001730001  
2070601957707063423400000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z ADD TO Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

u- ( 2020194177204     -1270201748 )  
v- ( 1004765000060777300     -77070711204007900 )

m<sub>2</sub>-P-VALUES

p	m <sub>2</sub> -p	TYPE OF DECOMPOSITION
3	1	0

.....



.....

D- 30                    D= 620634401

U= ( -620634401, 0 )  
V= ( 0, 620634401 )

J-INVARIANT

J= ( -1241268802, 0 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 30 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT G=(U,V). HERE IS

U= ( 1041000000, -67061991730 )  
V= ( 42724511075100000000, -1610416000190071000000 )

Wp-P-VALUES

P	Wp-P	TYPE OF DECOMPOSITION
3	1	0

.....

















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E- 1                    0- 33  
A- ( -162673 , -30376 )  
B- ( 75441110 , 6160012 )

J-10001007

.....  
J- ( 3170107060/124200 , 5519337207/124200 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(u,v). HERE IS

U= ( -303 , -40 )  
V= ( -6420 , -736 )

.....

00

K-8

.....  
00

E- 0                      0- 167217

0- ( -1010102+000170316217 , -12677000200752752 )  
0- ( 114301100701000+000000710000000 , 247001077000700000050100000 )

J-10001007

J- ( 77010070000003+2367700016200+00002201501107000000070757000/0100120007+0000430404160000000000010100000 , -6200000700051515  
70000000000034515000000700070030001/0100120007+0000430404300000000000010100000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT 0-(u,v). HERE IS

u- ( 10016212227 , -6700712 )  
v- ( 00200147001000 , -2170000027000 )

.....  
00















-----

DD

S= -51/2

D= 20000400017

A= ( -14000111210001172477145110672407117741319 -2477145110672407117741319 )

B= ( -14000111210001172477145110672407117741319 -2477145110672407117741319 )

J= 10001000

U= ( 140001112100011772477145110672407117741319 -2477145110672407117741319 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z AND 16 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O=(U,V). HERE IS

U= ( 03103400000747714519 -2477145110672407117741319 )

V= ( -140001112100011772477145110672407117741319 -140001112100011772477145110672407117741319 )

Op-P-VALUES

0 Op-P TYPE OF DECOMPOSITION  
1 1 0

-----

DD









.....

D= -1/2                    D= 337  
A= ( -20778412025 , -1191900312 )  
B= ( -1200700000000000 , -6504720007024 )

J-Isomorphism

J= ( 201000100050101103770000/25006054000100007000 , -10050045100007571000111/25006054000100007000 )

The isomorphism type of the torsion group is Z mod 10 Z.

A generator of the torsion group is the point Q=(u,v) where

u= ( -12505 , -1036 )  
v= ( -4200700 , -213004 )

W-D-VALUES

D	W-D	TYPE OF DECOMPOSITION
3	1	0

.....















.....

00  
B- -75/2                    D- 1000170000  
A- ( ..... )  
B- ( ..... )

J- [unclear]

J- ( ..... )

THE ISOMORPHISM TYPE OF THE FOREIGN GROUP IS 2 AND 10 7

A GENERATOR OF THE FOREIGN GROUP IS THE POINT O-(0,0). HERE IS

O- ( ..... )  
O- ( ..... )

M<sub>2</sub>-P-VALUES

P	M <sub>2</sub> -P	TYPE OF DECOMPOSITION
3	1	0

.....

00









47

oo

D- 1/2                    0- 99  
A- ( -142075 , 20290 )  
B- ( 25401110 , -6340012 )

J-100401007  
.....

J- ( 21701472500/324200 , -9519507207/324200 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS  $Z \times Z \times Z$

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(U,V) WHERE IS

Q- ( 147 , -24 )  
R- ( -540 , 100 )

oo















.....

Q- 2048857907

A- ( -2048857907, -2048857907 )

B- ( 2048857907, 2048857907 )

J- [IDENTIFIED]

J- ( 2048857907, 2048857907 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z AND IS Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O-(U,V). HERE IS

O- { 2048857907, -2048857907 }

.....

.....  
cc

Q- -30/2                  D- 00001573113  
A- ( - 10000000 700000 700000 710000 711000 , - 1000000 710000 700 700 7000 710000 )  
Q- ( 1000 700000 700000 710000 711000 712000 713000 714000 715000 716000 717000 718000 719000 . 1000000 710000 700000 700000 710000 711000 712000 713000 714000 715000 716000 717000 718000 719000 )

J- JUNCTION

J- ( 200000 710000 711000 712000 713000 714000 715000 716000 717000 718000 719000 . 1000000 710000 700000 700000 710000 711000 712000 713000 714000 715000 716000 717000 718000 719000 )

The JUNCTION type of the POSITION GROUP is 2 AND 10 2.

A GENERATOR of the POSITION GROUP is the POINT 0-(0,0). HERE IS

G- ( 000000 710000 711000 . 0000000000 )  
Q- ( -000000 710000 711000 712000 . -00000000000000 )

.....  
cc

.....

0- 12649367

A- ( -12724481 7007 720510201 001304 704700 -2002770100 72000 700040 75072 )  
O- ( 7020007 701 00007 70020 7100000 7000001 001 000700 70 . 17701 020 7000000 70001 1701 70000 000000100 )

J- POSITION

J- ( 1012001201 0000000 70000 70000 0000000 701 000000000 7000 7207700001 700770 70001 7200100 70000 7020- 72007 70007 7000700001 700007 7010  
757 7000101 0000 70000001001 020 70000000 0070000000 1001 7000000 70001 70127000 020 70000 0000001 70000 020001 000 1700007 7001 0000  
000 72007 70007 7000700001 70007 7010007 70001 701 0000 70000001001 020 70000000 )

The dimension type of the position group is 2 and so 2.

A generator of the position group is the point O=(0,0) here is

U- ( 001701007101007 -7200070177 )  
V- ( -2017001007010001 7001000 -10000070000 0200100 )

.....







.....

D= 3/2                    Q= 457  
a= ( -114007572000 , -5241242012 )  
b= ( 66750150700100702 , 31110012400079306 )

J-10001007

J= ( 1423053002667075423004307046600-0626764940000546216440 , 66612113305727375416476300670-0626764940000546216440 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT O-(u,v). HERE IS

u= ( 1000001 , -11124 )  
v= ( 6675000 , -3000000 )

My-P-VALUES

P	My-P	TYPE OF DECOMPOSITION
3	1	0

.....

48

.....

00

g- 10/2                      0- 3103007

0- ( -20152637000040051104077055495     -7001151000000670507700112 )  
0- ( 50011057901000001000705000000000700700150     07000050007100452710130410157500770541000 )

J- [0000]000

J- ( 000700000470000040007502516770500000700000000671135001507000777500700070070110000-31010501050290100000000519720700000  
700000007047010007130000000120     -100500007007100750067200001701907010000100700577030001701377010030070000527000001-3101050105  
0290100000005197207000007000000007047010007130000000120 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT 0-(0,0) WHICH IS

J- ( 00770570000013     -100705000004 )  
0- ( 5007700070050425520000     -1007001000100137700 )

.....

00







.....

B- 76.2 D- 21000000737

A- ( ..... )  
B- ( ..... )

J- ISOMORPHISM

J- ( ..... )

The isomorphism type of the position group is 2 mod 10 2

A generator of the position group is the point B-(0,0) here is

B- ( ..... )

.....















6-7

=====  
00  
n= 2                m= 53  
a= ( -342675 , -20270 )  
b= ( 95401110 , 6160512 )

J- [modulus]  
-----  
J= ( 31706479566/324000 , 9510587207/324000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.  
A GENERATOR OF THE TORSION GROUP IS THE POINT G=(u,v). HERE IS  
G= ( 275 , -12 )  
G= ( 664 , -664 )

=====  
00  
n= 5/2                m= 7560  
a= ( -270611272151667 , -1059764700640 )  
b= ( 27710222251194166671 , 566182377422212000 )

J- [modulus]  
-----  
J= ( 1027272002101273401023175276144705104161/10544000002970457600000000000000000 , 67205647077707600040000466044570663400/10000000000000000000000000000000000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS 2 MOD 10 Z.  
A GENERATOR OF THE TORSION GROUP IS THE POINT G=(u,v). HERE IS  
G= ( 205400 , -262520 )  
G= ( -6816419700 , -505222700 )

=====  
00







.....

D- 79                    D- 20001201  
A- ( ..... )  
B- ( ..... )

J- 20001201  
.....  
A- ( ..... )  
B- ( ..... )

THE ISOMORPHISM TYPE OF THE REGION GROUP IS 2 AND 10 2  
A GENERATOR OF THE REGION GROUP IS THE POINT O-(0,0) HERE IS  
A- ( ..... )  
B- ( ..... )

My-P call is  
P                    My-P                    TYPE OF DECOMPOSITION  
1                    1                    0

.....

.....  
00

0- 07/2                    0- 000000000

A- ( ..... )  
B- ( ..... )

J. DEFINITION

.....  
( ..... )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS  $Z \oplus Z \oplus Z$

A GENERATOR OF THE TORSION GROUP IS THE POINT  $Q=(0,0)$  HERE IS

$Q: ( ..... )$

00-0-00-000

0	00-0	TYPE OF DECOMPOSITION
0	1	0

.....  
00

.....

B- 48                                 b- 3711067001

A- ( ..... )

B- ( ..... )

J- DECOMPOSITION

A- ( ..... )

B- ( ..... )

THE ISOMORPHISM TYPE OF THE POSITION GROUP IS / AND IS /

A GENERATOR OF THE POSITION GROUP IS THE POINT 0=(0,0) HERE IS

A- ( ..... )

B- ( ..... )

op-0 VALUES

0	op-0	TYPE OF DECOMPOSITION
1	1	0

.....

..















.....

no

n= 3                    q= 117  
a= ( -2077901900 , -113190012 )  
b= ( -120070000000000 , -610475000700 )

J- [0000] [000]

.....  
J= ( 20140010005410110077000/25000500010007000 , -100004010000751070111/25000500010007000 )

THE ISOMORPHISM TYPE OF THE TORSION GROUP IS Z MOD 10 Z.

A GENERATOR OF THE TORSION GROUP IS THE POINT Q=(u,v). HERE IS

Q= ( -57777 , -3000 )  
V= ( -1000000 , -700000 )

W-P-VALUES

p	W-p	TYPE OF DECOMPOSITION
:	1	0

.....

no





.....

00  
0- 0470            0- 1500000000  
0- ( ..... )  
0- ( ..... )

A-10001000

.....  
.....  
.....

THE DECOMPOSITION TYPE OF THE POSITION GROUP IS 2 MOD 10 2

A GENERATOR OF THE POSITION GROUP IS THE POINT 0-(0,0) HERE IS

0- ( ..... )

00-0-00-00

0	00-0	TYPE OF DECOMPOSITION
1	1	0

.....

.....

D- 10                    D- 110000017

D- ( ..... )  
D- ( ..... )

J- DECOMPOSITION

J- ( ..... )

THE ISOMORPHISM TYPE OF THE FUSION GROUP IS J MOD 10 J.

A GENERATOR OF THE FUSION GROUP IS THE POINT Q-(1,0) HERE IS

Q- ( ..... )

NO-P-VALUES

P	NO-P	TYPE OF DECOMPOSITION
3	1	D

.....

.....

D- 00/2                    Q- 20021010700

A- ( ..... )  
B- ( ..... )

J- INDICATOR

J- ( ..... )

THE ISOMORPHISM TYPE OF THE POSITION GROUP IS 2 AND 10 2.

A GENERATOR OF THE POSITION GROUP IS THE POINT Q-(0,0). HERE IS

F- ( ..... )

MG-P-VALUES

P	MG-P	TYPE OF DECOMPOSITION
3	1	0

.....