======= ECC2-79 =======

m = 79
f = x79 +x9 + 1
seedE = D3E5D53A 4D696E67 68756151 757779B8 379AC409
a = 4A2E 38A8F66D 7F4C385F
b = 2C0B B31C6BEC C03D68A7
seedP = 50CBF1D9 5CA94D69 6E676875 615175F1 6A36A3B1
U_x = 5674 7BC3DDBF F399EF4B
U_y = 49FF 222B2065 008D3C2C
P_x = 30CB 127B63E4 2792F10F
P_y = 547B 2C88266B B04F713B
h = 02
n = 4000 00000045 31A2562B
seedQ = 4EC95934 D696E676 87561517 56D5D2A8 FCD02E68
V_x = 5B6E 06AFB573 C1CF2BF5
V_y = 69F9 74972600 1DB5B8D9
Q_x = 0020 2A9F0350 14497325
Q_y = 5175 A6485955 2F97C129

======= ECC2-89 =======

m = 89
f = x89 +x38 + 1
seedE = F1DCCA0F F8B74D69 6E676875 6151754B B21CD49C
a = 0095AA3E 660B75E7 7315E94E
b = 01AC2701 C6C54021 D1BF0A72
seedP = EE37E551 34D696E6 76875615 17502BE9 9063A9F7
U_x = 01A62F57 0A344A1F 13394F91
U_y = 001AD5A2 0035D7DE A948F256
P_x = 01675C1B C9BD2348 52E8123C
P_y = 00426B72 7619B0E9 3561C6A3
h = 02
n = 01000000 00000B41 C8C9D8FD
seedQ = FD26A4D6 96E67687 5615175E 8B00ABB8 D1EA4015
V_x = 008ECBE3 9E439C15 316623E7
V_y = 018FE41E 51BA7333 A52468F4
Q_x = 01BE721F 8E3B6DBE E40DCE98
Q_y = 004DD88A 4BDAD73E 0B32EBB3

======= ECC2-97 =======

m = 97
f = x97 +x6 + 1
seedE = 2B354920 B724D696 E6768756 1517585B A1332DC8
a = 01 EA5CE2B7 F0A58E01 B4389418
b = 00 9687742B 6329E706 80231988
SeedP = 21BD8EAF 4D696E67 68756151 75BD8678 E00A46B2
U_x = 01 39CB479E F7D86F46 476E0663
U_y = 01 156ACA98 B0BC9ACF F52DDE55
P_x = 00 94D3BA57 43058882 62363929
P_y = 01 3CE0562C C51EF416 B2C0CA80
h = 02
n = 01 00000000 00007383 E2DE1E81
SeedQ = 315ADA96 4D696E67 68756151 7535FA24 CBF48397
V_x = 01 8E2B2CC8 5ECF1CC6 7FFA66C7
V_y = 00 BE53825D 9FF7AD1A 7C75E1E9
Q_x = 00 EBCEC4B5 961C75DF 04EB6AAE
Q_y = 01 3768154C 2131B67B 39A0339F

======== ECC2K-95 ========
m = 97
f = x97 +x6 + 1
seedE = NO
a = 00 00000000 00000000 00000000
b = 00 00000000 00000000 00000001
seedP = 50CBF1D9 5CA94D69 6E676875 615175F1 6A36A3B8
U_x = 01 52891484 9B12FD64 D2FEFDEB
U_y = 00 491D7BBC 0AD80C4A B3CA9CA7
P_x = 00 8A84FB02 034F7771 DC940097
P_y = 01 D2F10A47 1D48A720 F18F6339
h = 04
n = 7FFFFFFF FFFFA9FE D6609AF7
seedQ = 4D696E67 68756151 75037272 26FEE987 E96A11FC
V_x = 00 C81592AD 4F662DD8 0FC42F72
V_y = 01 BCB151F0 F695639B B2B6FB04
Q_x = 00 E0BC08AC 5818F303 E2B05E90
Q_y = 01 34C028FC 3393124D 673E6F8E

Part 2. Level I challenges

======== ECC2-109 ========
m = 109
f = x109 +x9 + x2 +x +1

seedE = 4D696E67 68756151 75037272 26FEE987 E96A11FD
a = 14BA A8C4131E 992C7E35 FCF70CE3
b = 1333 BE219E61 625E4C2B 6B1032D9
seedP = 1DD8F2C7 84D696E6 76875615 175A36EF 3F72194E
U_x = 1E22 5E8E554E 637C2DC8 E3C56B61
U_y = 04A3 4282B3B6 C22B985E 721134DD
P_x = 0D94 7CCA2312 E483059F 0917151C
P_y = 1C59 E6436972 07374CFE AB259AB6
h = 02
n = 1000 00000000 00053701 AB26100B
seedQ = A57C94DF 4D696E67 68756151 75E8B486 4BC74FFB
V_x = 03AF 701C0286 D6157981 A304B428
V_y = 1AC0 5F2A6251 93473DB5 F9906888
Q_x = 02DC 77273A0B 4961A85C 6B12027B
Q_y = 02DA 3FC33E70 5D4FD1CA D73D9E61

======== ECC2K-108 ========
m = 109
f = x109 +x9 +x2 +x +1
seedE = NO
a = 0000 00000000 00000000 00000001
b = 0000 00000000 00000000 00000001
seedP = 078AB942 84D696E6 76875615 175A36EF 3F7298E2
U_x = 1170 08B979AF FA5985F9 90570ED8
U_y = 1DCA 7D761F1E 42453708 D0530BA6
P_x = 0478 C46CC963 38CED915 65E17257
P_y = 1E79 65E4A3AF B73A48FC 9AB790E9
h = 02
n = 0FFF FFFFFFFF FFA621B0 2C383E9B
seedQ = 176894DF 4D696E67 68756151 75E8B486 4BC74261
V_x = 05C5 9E717F6B 3D65D538 64F82F6D
V_y = 006A 19B5E3E2 BCFA2A5D BF6EC682
Q_x = 1FF0 CE5EC618 93F2119C 3077C59E
Q_y = 1F20 E9B010AC 691C9B87 B438241D

======== ECC2-131 ========
m = 131
f = x131 + x13 +x2 + x + 1
seedE = 8950783D 4D696E67 68756151 750A6732 71EA86E3
a = 07 EBCB7EEC C296A1C4 A1A14F2C 9E44352E

b = 00 610B0A57 C73649AD 0093BDD6 22A61D81
seedP = B5555555 5554D696 E6768756 1517586A A17BF3F4
U_x = 01 DB221DEB 61DC208A DA4D8888 5A787969
U_y = 07 81B4EEEA 7DBDE2FE 9BE142DA E37BDF96
P_x:= 00 439CBC8D C73AA981 030D5BC5 7B331663
P_y:= 01 4904C07D 4F25A16C 2DE036D6 0B762BD4
h = 02
n = 04 00000000 00000002 6ABB991F E311FE83
seedQ= 19D059FF E6124D69 6E676875 61517565 06A34421
V_x = 00 03B50139 9F4A5D28 860EA3B5 6C6890C1
V_y = 00 AF1A352D D10974DB 899C6685 BDBB7CB6
Q_x = 06 02339C5D B0E9C694 AC890852 8C51C440
Q_y = 04 F7B99169 FA1A0F27 37813742 B1588CB8

======== ECC2K-130 ========
m = 131
f = x131 + x13 +x2 + x + 1
seedE = NO
a = 00 00000000 00000000 00000000 00000000
b = 00 00000000 00000000 00000000 00000001
seedP = 092FE1A8 9014D696 E6768756 1517586A A17BF123
U_x = 02 B8CB4816 38A7BB32 A5214816 621C9B9E
U_y = 07 CC4AAFC3 5046760A 6EF92D38 BFB9F5E1
P_x = 05 1C99BFA6 F18DE467 C80C23B9 8C7994AA
P_y = 04 2EA2D112 ECEC71FC F7E000D7 EFC978BD
h = 04
n = 2 00000000 00000000 4D4FDD57 03A3F269
seedQ= 328D0AE9 E6124D69 6E676875 61517565 06A34A25
V_x = 07 04AA2F3B 92953C63 B8CBB577 A6F83F07
V_y = 03 94249E7F 29B33ADE 47ABEE95 27EEE974
Q_x = 06 C997F3E7 F2C66A4A 5D2FDA13 756A37B1
Q_y = 04 A38D1182 9D32D347 BD0C0F58 4D546E9A

Part 3. Level II challenges

======== ECC2-163 ========
m = 163
f = x163 + x8 + x2 + x + 1
seedE = D2C0FB15 760860DE F1EEF4D6 96E67687 56151754
a = 02 5C4BEAC8 074B8C2D 9DF63AF9 1263EB82 29B3C967
b = 00 C9517D06 D5240D3C FF38C74B 20B6CD4D 6F9DD4D9
seedP = C368944D 696E6768 75615175 FF31C825 CC82534A

U_x = 04 342429E5 9B4E1052 222769E1 AB51C17A 53EAB862
U_y = 01 02FB92FE EB65AD06 8469D2DD 15BC0906 C9520891
P_x = 02 3A2E9990 4996E867 9B50FF1E 49ADD8BD 2388F387
P_y = 05 FCBFE409 8477C9D1 87EA1CF6 15C7E915 29E73BA2
h = 02
n = 04 00000000 00000000 0001E60F C8821CC7 4DAEAFC1
seedQ = DFD5F8E2 E38F4D69 6E676875 615175F3 B5115321
V_x = 03 85E70316 D171C67A C6C74463 9CCF27B9 7CDAFCC9
V_y = 06 D5323AEA D193FB57 BB37878A 46125B5A ACE1A5C2
Q_x = 04 38D8B382 1C8E9264 637F2FC7 4F8007B2 1210F0F2
Q_y = 07 3FCEA8D5 E247CE36 7368F006 EBD5B32F DF4286D2

========= ECC2K-163 =========
m = 163
f = x163 + x8 + x2 + x + 1
seedE = NO
a = 00 00000000 00000000 00000000 00000000 00000001
a = 00 00000000 00000000 00000000 00000000 00000001
seedP = 4D696E67 68756151 75037272 26FEE987 E96A11FD
U_x = 01 D99596B0 2A3DF13E 000010DA 0469AB98 2D270F45
U_y = 06 8FB2A65B 990287F9 89830112 2AC0C5CD EECF3867
P_x = 02 091945E4 2080CD9C BCF14A71 07D8BC55 CDD65EA9
P_y = 06 33156938 33774294 A39CF6F8 C175D02B 8E6A5587
h = 02
n = 04 00000000 00000000 00020108 A2E0CC0D 99F8A5EF
seedQ = 6BA57515 8BDAF0D9 694D696E 67687561 517574BB
V_x = 00 085E74F0 3C80875A 74FC6BA6 72F879B2 0FE55A86
V_y = 06 0869E955 97DAFC58 5D6DC4F5 24954C91 E03D003F
Q_x = 00 7530EE86 4EDCF4A3 1C85AA17 C197FFF5 CAFECAE1
Q_y = 07 5DB1E80D 7C4A92C7 BBB79EAE 3EC545F8 A31CFA6B

======== ECC2-191 ========
m = 191
f = x191 + x9 + 1
seedE = 4E13CA54 2744D696 E6768756 1517552F 279A8C84
a = 2011D237 B30025CF D61F8D6F 66741CA6 CEDD313F 9BD4431F
b = 2E45EF57 1F00786F 67B0081B 9495A3D9 5462F5DE 0AA185EC
seedP = FD6F9C51 55B4D696 E6768756 15175BB2 BBBEB67B
U_x = 12D3B5BA 47EF83A9 A4FD6882 27CD6582 154EF5D6 BF7F536B
U_y = 0C2105BC E4329EE5 452B55B8 216CF453 945BE8BD F09A614C

P_x = 52F3E1EC FCF3B0A6 E0945D6B 92A8FFC4 2C280545 C0F8321B
P_y = 00F19F7A 172A1F71 91614DB1 DAE7CABC 01E85806 D42E2627
h = 02
n = 40000000 00000000 00000000 04A20E90 C39067C8 93BBB9A5
seedQ= 77733A8F C54D696E 67687561 517539F6 FEB6390C
V_x = 64BB3A91 0B9788FA D747A07E 1CDA1554 2D871430 8429678A
V_y = 3C81DE80 3F17F3F5 71681832 F7AFDE8A 3F737C07 473A677B
Q_x = 7911BC30 0972E2D3 385D6D52 8440710D D73F2814 72B961E3
Q_y = 492A2DED 9E740B36 03F39DAB AA0070F9 9674C57F 55AD4F1D

======== ECC2-238 ========
m = 239
f = x239 + x36 + 1
seedE = D34B9A4D 696E6768 75615175 CA71B920 BFEFB05D
a = 23AA CC83DE35 49BEAE1B 601EDA88 BF45517D 5ADFED43 7F71784B 5DD911DF

b = 7904 08F2EEDA F392B012 EDEFB339 2F30F432 7C0CA3F3 1FC383C4 22AA8C16
seedP = F7930DE1 C514D696 E6768756 15175155 35EAEA7E
U_x = 707A FBF8A455 7F55BFAF 9857CC61 CAF4F1AF FF63BFAC D850B85C A5294FAC
U_y = 11B2 84BC6B71 D9BAEDEA F9DBB18D C9D05693 625AC030 37BE32CF E5A2292B
P_x = 4BC6 30D209D9 8B810FA4 2A95FDB7 7F87DBE6 8CC07611 0AADE0B2 AFC47B2B
P_y = 194C 8DA12F27 63E3E9AA 84F4F17D 56FF10FC F20F300F D1278FFB 976A91C2

h = 04
n = 2000 00000000 00000000 00000000 000F4D42 FFE1492A 4993F1CA D666E447
seedQ = 315ADA96 4D696E67 68756151 7535FA24 CBF48396
V_x = 68D5 EAFAE6E5 F00DDD65 28140D7F 74BD3C31 8E2B2CC8 5ECF1CC6 7FFA66C7
V_y = 324F 34B5E3AE F614BE7E A574AD85 29F811E0 D671B120 7A5488F6 FF01D308

Q_x = 2696 6E5DDE49 2AF6CEDA F8BB8BCA DA02BFEF 2944815F 142F5745 0CA145BF
Q_y = 4F2A C9ED2988 7CB53ACB B29AD031 B4A24C2C FA8A32D5 B164E89F A283966B

========= ECC2K-238 =========
m = 239

f = x239 + x36 + 1
seedE = NO
a = 0000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
b = 0000 00000000 00000000 00000000 00000000 00000000 00000000 00000001
seedP = D9037BB3 2E4D696E 67687561 51757738 894AE594
U_x = 2D80 5D2B1A98 A6E5F31E 8D5C82E5 8868C312 D185EF19 639381A7 BDF35AA4
U_y = 63E3 3A720145 A553E4EC 5D739E8C 34948694 F459F3EA B028FC10 5A3953D8

P_x = 78CF AE9860F9 6A9D4826 1B7A9CF3 C5B94190 888B184B C3F83B41 6B56992E

P_y = 2DEB A096F37D EDBE7D13 C09F6C03 680B2E53 71A08FEC 01E37775 E31CC7C9
h = 04
n = 2000 00000000 00000000 00000000 005A79FE C67CB6E9 1F1C1DA8 00E478A5
seedQ = 2AC709C3 E56AD814 D696E676 87561517 5551F2EC
V_x = 41CC C4B89D8C 0F75AC99 26C20BB3 D1A6BD99 25E1FD10 E2FB62AE D94F4234
V_y = 27AF DB90DB41 27A68684 A23B06C1 2405B4BD 70852DA1 DF02DE12 338965F0
Q_x = 721D D31C6766 532EC44C 73BCBF54 B2969400 FA6C4CC1 556E89AC 1FF8622A
Q_y = 347D 6F86DDDE DD7F138F C33BEEAB 4FFA029A 2EB2F011 A5BC8C64 A773B519

======== ECC2-353 ========
m = 359
f = x359 +x68 + 1
seedE = 2B354920 B724D696 E6768756 1517585B A1332DC6
a = 69 62E67E43 FB6D66C4 6C7FDDF5 A22E2C88 57537C42 8FD691A2 6D2F9BAE B871C276 DFA9928F 01634B14 59CF431E
b= 24 72E2D019 7C49363F 1FE7F5B6 DB075D52 B6947D13 5D8CA445 805D39BC 34562608 9687742B 6329E706 80231988
seedP = 1DD8F2C7 84D696E6 76875615 175A36EF 3F721942
U_x = 1E 67C60608 D697AD3D DF21D09E D9A86087 84589D80 1C35E267 BEF6579C D973C116 0749649F 0B5484A2 3EB35A36
U_y = 68 DD8E6E25 BB36DA06 1B2CCEE9 9B5E50B0 E83C33A4 D28B390E 0945F51E 6EC43DC7 3D7C9D7C F865457A E12E2727
P_x = 0E F6A87D27 D25EA944 A629664A 9D34664C 6A79DD86 360D8AB5 7FAE11DF 30CB6E78 C7E01BA3 ADC081FA 76048092
P_y = 1D A4ED7191 74E356FC 0F968E80 D2974965 BB90805D BB1D8FE5 7333DFA5 0D163B88 465BB5FB 55046F94 9AE27F51
h = 4C

n = 01 AF286BCA 1AF286BC A1AF286B CA1AF286 BCA1AF28 6BC9FB8F 6B85C556 892C20A7 EB964FE7 719E74F4 90758D3B
seedQ = A57C94DF 4D696E67 68756151 75E8B486 4BC74FF8
V_x = 7B 2ECC36E3 29F399AC 0E84A382 813BB893 C73F9AD0 47345084 383F8164 041C227D 1B167ADD 9E706C6A 4E708A01
V_y = 58 B14AE739 5186A895 31F77B8F 71DD6319 94034E42 F55A51C3 ECE7A8F8 6CFFC738 F069A273 B7517233 1D2F74D4
Q_x = 4B D3C6E97B FF49C1B3 FD667684 834FBE8D 17E22F94 F795480B D5166B04 A267F940 33D61FBA 43FDF627 58982462
Q_y = 60 5F4BC822 1F266F72 4DEF7500 69B240A6 7AC4ADAC 15386354 D7E1700C 5F5F3FB6 769F2613 0D73A8D7 21A019E4

========= ECC2K-358 =========
m = 359
f = x359 +x68 + 1
seedE = NO
a = 00 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000001
b = 00 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000001
seedP = 91CB22C7 84D696E6 76875615 175A36EF 670D2FB1
U_x = 41 F4092AEC F6C9A286 DA018DA1 0BC55D77 8EA9D74E 3BA352C4 940A7BA4 1FF722B2 6022FB8F 3FE87E17 C01D4486
U_y = 15 49EBB859 7B6B122F ECAC9DD0 4E5C0ACF B368014A 3440CE6F 61EA808B 68EA7EF1 04C957F5 339C2006 09EF79F5
P_x = 70 35ADDF5E AAB0CFBA 95883326 03F870D1 1AA41A6B 57ADA3A1 CA18F9C7 169185A1 F191E962 93EE6E04 1C8E918C
P_y = 71 22A49D2E F45E68D1 1C0C0ED8 6B8AE422 F54E49BD A0AC1517 7F3824D3 5809AD4F AEF7B7AB 4810E1DB EC5ABFF0
h = 02
n = 3F FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFFFFFFF FFF6F614 06970B03 AE00FB51 2716A415 1CA0EAC9 D1B0E107
seedQ = 90FA2BDF 4D696E67 68756151 75E8B486 4BC74AA5
V_x = 44 430DFBFD B5E030CF D74C2ACB 4FC1A4D4 F48DF8A0 0AA1F43A 0B9A1561 9C96CBED 7AC32BD9 630DC0C8 F455B93D
V_y = 69 1E83DD42 43FED6ED 2E4F5193 59870438 817A854D 78624E93 A7F20CCB E9FECA9E 2DA72B5A 07F04015 EB365E69
Q_x = 0F E3828D45 A36EC0A9 D04BB8C0 3586A41E D098F4BC 55718A76 04A005DB 050E58F6 DC2A451C B9D83448 D7B1DDA6
Q_y = 53 22AFB6DA 476F2B9C 3ABF31C2 2978C318 AE358F6B 3373CEAC 599189A3 5DD6C121 C23170D7 10563F43 6CAAFDC8

======= ECCp-79 =======

p = 62CE 5177412A CA899CF5
seedE = 3409C5C7 E50FF4D6 96E67687 56151755 2DF2B489
r = 1CE4 AF36EED8 DE22B99D
a = 39C9 5E6DDDB1 BC45733C
b = 1F16 D880E89D 5A1C0ED1
h = 01
n = 62CE 5177407B 7258DC31
seedP = 1FD36F3C 978D0398 EAB24D69 6E676875 61517593
P_x = 315D 4B201C20 8475057D
P_y = 035F 3DF5AB37 0252450A
seedQ = 37A5B90A 4D696E67 68756151 75D52727 640CFCA6
Q_x = 0679 834CEFB7 215DC365
Q_y = 4084 BC50388C 4E6FDFAB

======= ECCp-89 =======

p = 0158685C 903F1643 908BA955
seedE = A9ACF4D6 96E67687 5615175C 32C58C7B 47CDBBD7
r = 00C8AE4F 7DE8918A A9FAB226
a = 0C8AE4F7 DE8918AA 9FAB2260
b = 00647E7E A1062AE6 9A7D1037
h = 01
n = 0158685C 903EF906 D7F58D47
seedP = A7663810 665AEF4D 696E6768 75615175 EAF5E109
P_x = 00C031D8 75DBF8E6 0BE95B0A
P_y = 0006F82C 1F879745 BF676D0A
seedQ = 98BCE9AF 94D696E6 76875615 17592EC5 7621252B
Q_x = 00DE1AA9 4FF94DB6 4E763E2D
Q_y = 002A44C4 C2D4EE27 FA0A4BA9

======= ECCp-97 =======

p = 01 6EA1595E D21AE4D8 D8420E35
seedE = C85CB697 1A944D69 6E676875 61517542 7A522231
r = 00 32AB225F 544F8CB6 9CDF219B
a = 00 47370916 A603B076 57C305C4
b = 01 124DF86D 04064F50 3D9925AF
h = 01
n = 01 6EA1595E D21AE98F B6CCA20D

seedP = 2A8A34D6 96E67687 56151750 19818262 2266F335
x = 00 D5D9E9DF F58A9232 A2749EBC
y = 01 1B34AE5A AB7C7AE5 5D6ABDB5
seedQ = DF7374D6 96E67687 56151756 01CEEABC 0C476F92
x = 00 DF7E84C4 2FEF50C5 316C508A
y = 00 F259BC58 3729DA0F E8B97336

======== ECCp-109 ========
p = 1BD5 79792B38 0B5B521E 6D9FB599
seedE = 1A4D696E 67687561 5175F8DC 47334A5E EDA1C34C
r = 0167 90D37BA1 CC98B1FE 53558DEA
a = 0FD4 C926FD17 8E9805E6 63021744
b = 153D 3CBB508F FE3A7F31 FF4FAFFD
h = 01
n = 1BD5 79792B38 0B049C4D 13A75AE5
seedP = 2409C5C7 E50FF4D6 96E67687 56151755 2DF2B48C
x = 04CC 974EBBCB FDC3636F EB9F11C7
y = 0761 1B0EB122 9C0BFC5F 35521692
seedQ = 2CC6F5DA 1DBA34D6 96E67687 5615175D 2D30BDF2
x = 0233 857E4E8B 5F005512 6E7D7B7C
y = 19C8 C91063EB 4276371D 68B6B4D9

======== ECCp-131 ========
p = 04 8E1D43F2 93469E33 194C4318 6B3ABC0B
seedE = ECF764D6 96E67687 56151758 05744809 00C4742C
r = 01 F6CE5106 86622B77 6D651862 12A8E281
a = 04 1CB121CE 2B31F608 A76FC8F2 3D73CB66
b = 02 F74F717E 8DEC9099 1E5EA9B2 FF03DA58
h = 01
n = 04 8E1D43F2 93469E31 7F7ED728 F6B8E6F1
seedP = 232881DF CF57E4D6 96E67687 5615175D 990B21A7
x = 03 DF84A96B 5688EF57 4FA91A32 E197198A
y = 01 47211619 17A44FB7 B4626F36 F0942E71
seedQ = 2773E8F6 E4AE54D6 96E67687 56151755 2EA42393
x = 03 AA6F004F C62E2DA1 ED0BFB62 C3FFB568
y = 00 9C21C284 BA8A445B B2701BF5 5E3A67ED

======== ECCp-163 ========

p = 05 177B8A2A 0FD6A4FF 55CDA06B 0924E125 F86CAD9B
seedE = 33855928 86AB4D69 6E676875 61517593 5F3CA3E1
r = 00 3FEA47B8 B292641C 57F9BF84 BAECDE8B B3ADCE30
a = 04 3182D283 FCE38807 30C9A2FD D3F60165 29A166AF
b = 02 0C61E945 9E53D887 1BCAADC2 DFC8AD52 25228035
h = 01
n = 05 177B8A2A 0FD6A4FF 55CCA7B8 A1E21C88 BD53B2C1
seedP = E52F9C29 66F3AC36 D35D24D6 96E67687 56151758
x = 00 17E70122 77E1B4E4 3F7BF746 57E8BE08 BACA175B
y = 00 AA03A0A8 26907046 97E8C504 CB135B2B 6EEF3C83
seedQ = 2E81EB8A D34E204D 696E6768 75615175 BC8A5026
x = 01 DC1E9A48 2085B3DF A722EB7A 541D5050 5ED31DCA
y = 01 2D71ECC1 578BFBE2 03D0C2CE 238EB606 0ADCAA1E

======== ECCp-191 ========

p = 7DF5BB7B F830F63C 77667331 106F9001 B27D3994 1032F5E5
seedE = D154D696 E6768756 15175C7F 08129A53 5275A092
r = 21C0D807 AA07CF74 549AD58B 000F8D8F 829DBA7E 4551A0FC
a = 3BD4FDA0 0A3E52E1 AF5C9456 686AB1B9 6195810C 27C5B110
b = 24D1D433 1F8651B0 52E8042F A4325588 6E09BEF9 D3174872
h = 01
n = 7DF5BB7B F830F63C 77667331 5F125916 8CF99738 0ACA72C3
seedP = 17A5B90A 4D696E67 68756151 75D52727 640CFCA6
P_x = 3B511BC3 229CB4AE 654DFBC6 3210E278 3E91F43A A68D0EF4
P_y = 4619A505 395A031A 304C0B72 061099F3 D0840CA6 1DE2F4BC
seedQ = F14C7505 F2FD4284 D696E676 87561517 5D8675F1
Q_x = 1DA38EF4 CBA78B2C D1D31EB3 75BC9E19 34C62ACE D29C54EE
Q_y = 4F3CA5FF 71D32D54 72D7F9EC D39DEF45 517F3B87 6466C8F1

======== ECCp-239 ========

p = 7CFB 4C973A86 CDAF8982 31E4960A CDBBF5B6 A9017DBE D75FFABD D892085D

seedE = 90298F17 F124D696 E6768756 15175C45 E53FC75E
r = 3D72 0B1FD4F9 2B7EDE22 71DFD09E 665EB8DE 732221C5 EE0DB16E 7D6125A7
a = 76D4 219CF749 8B5B471E 85BC4DAB A3CE47AD C806228F BB0BCE19 7C4F4556
b = 4F09 11A649B9 8CD0D3F6 95695E44 743EA948 E70B78CA B2C24C4E 7D50E2B3
h = 01
n = 7CFB 4C973A86 CDAF8982 31E4960A CCB3E442 837A1D55 1D28F3B4 95F5EC5F
seedP = F32881DF CF57E4D6 96E67687 5615175D 990B21A7

P_x = 0D35 ED464403 B23CC681 F18534C1 4B6FA2AD E7720523 F5094AD9 BFBE4752
P_y = 52F1 BC7C3C74 38A91099 FDD53666 A0185FB5 9688CA3E 38084090 3B589BEB

seedQ = E773E8F6 E4AE54D6 96E67687 56151755 2EA42392
Q_x = 2193 DCEAE32B C6EF6165 3DE4F1A1 41C15A9A 6A1A7296 802A887E BC0C7667
Q_y = 6429 7E89EE34 0CFF78A5 31998CC3 F3376AFD 3AE177DB E30B82C9 3045F79D

======== ECCp-359 ========
p = 58 D8420DF5 5D2B2000 FE2A55A0 32AB225F 544F8CB6 9CDF219B 0E394237 21F32A19 9D58685C 903F1643 908BA969
seedE = C421F029 D47B02C4 D696E676 87561517 5ADC6719
r = 1A 1B3C30A7 B1A41DB7 F2981E99 7E492511 3E9754B4 E7B70774 A933B40E 0D90FB36 3C73D50F 2233D1DA C98AB9C6
a = 08 77AEBB17 71A6EEA1 A7681809 B6884681 8D6434ED F6B4EF23 81672DE2 CAE70CB1 BA3E6A5F BD6DE671 70E4FC62
b = 3A DE22E91F 88EC9316 5A5BA6F1 51AA1EF2 65FF5FD0 12F30B9A 2D12A0E2 C3F5D7E6 95DDB2FA 75DE2139 E61D8DC8
h = 01
n = 58 D8420DF5 5D2B2000 FE2A55A0 32AB225F 544F8CB6 9CD0BE15 04766B9D D626631A 535BA1BA 6CB8D062 F94102ED
seedP = BE8DF98B 862664D6 96E67687 56151756 E8E60912
P_x = 2F 912B99AD 5D761593 C2CE9D24 54EE91EF D1C698A0 DA7C2EFE 0DB86964 06885E63 EDB5CD29 C2735EC1 2183312D
P_y = 33 5E0C161B AB13BC46 DE0CD4E0 BA17913B 9C1EE26A 3DCF9022 DE774318 96F329D8 283B3DC9 3C469564 F9043CAA
seedQ = B3814C05 0D44D696 E6768756 1517580C A4E29FF5
Q_x = 10 E3208F62 A90AE4AE F55EB0A7 1F733443 2AF091C5 E9D50461 70C9835E C1B92167 698DCD0B 8E9040BD C3AFA0B0
Q_y = 15 03887866 4A36573C 40D10B3F 5FCD999E E1B619BF A84614EF 172FEFD4 949F188E 39BB40E1 A767A6DF 7458A13D