```
###########################################################
###

  Elliptic Curve Digital Signature Algorithm
     Curve: K-233
     Hash Algorithm: SHA-512/224

     Message to be signed: "Example of ECDSA with K-233"

###########################################################
###

  Signature Generation
    H:
D537A8F4BF7861C1FBC304C0A19DC683FC4F010552ABE4D58D905157

    E:
D537A8F4BF7861C1FBC304C0A19DC683FC4F010552ABE4D58D905157

    K:
190DA60FE3B179B96611DB7C7E5217C9AFF0AEE435782EBFB2DFFF27F

    Kinv:
759A37371C026E261ADD7278B81EE15D18E2B0D9BD1A077AEBF96AA067

    R_x:
1BEA7231662E6516F11E37D59D500EAE71D116E9B7BBCE5964B88D4CC4D

    R_y:
C98F8C9A7D65880920C2FEBE552D8245979E6D67CE82A41EF1BAD22FD3

    R:
3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0

    D:
8434613F4B799B4C26E4D7AB8E9481B04B09E648C94AFFD14B611A20

    S:
171D837B82620399B3F49FF2491D0286490F0E130FDFC87F794943909E

    Signature
        R:
3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0

        S:
```

```
171D837B82620399B3F49FF2491D0286490F0E130FDFC87F794943909E

===========================================================
==

  Signature Verification
    Q_x:
<17C9DD766AEFBE4DE4B15F46DB0671DC4CA0767ED51ECEA94757D9C662
E>
    Q_y:
<1CDD726084837AE73C11C27D605C6EB2D5E31482358780305C2522B151
B>

    H:
<D537A8F4BF7861C1FBC304C0A19DC683FC4F010552ABE4D58D905157>

    E:
<D537A8F4BF7861C1FBC304C0A19DC683FC4F010552ABE4D58D905157>

    Sinv:
<22ACAB0D788D34D09975333A740052228E642D27AE910554A4F570DED4
>

    U:
<39A09F98C424CAD426631B2EC5A39AB7A6F1CECA4D7A6A4A26A517FD7A
>

    V:
<5E6730F74D1014C6F00D9EF9018A60408EF3756E494C0F7EFA388982C6
>

    Rprime.X:
<1BEA7231662E6516F11E37D59D500EAE71D116E9B7BBCE5964B88D4CC4
D>

    Rprime.Y:
<C98F8C9A7D65880920C2FEBE552D8245979E6D67CE82A41EF1BAD22FD3
>

    Rprime:
<3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0
>

Verification Passed!
```