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

  Elliptic Curve Digital Signature Algorithm
     Curve: K-233
     Hash Algorithm: SHA3-224

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

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

  Signature Generation
    H:
82002E97C4A760B35EEE9059D533B5F25EF3D736D78839C0398FAFAB

    E:
82002E97C4A760B35EEE9059D533B5F25EF3D736D78839C0398FAFAB

    K:
190DA60FE3B179B96611DB7C7E5217C9AFF0AEE435782EBFB2DFFF27F

    Kinv:
759A37371C026E261ADD7278B81EE15D18E2B0D9BD1A077AEBF96AA067

    R_x:
1BEA7231662E6516F11E37D59D500EAE71D116E9B7BBCE5964B88D4CC4D

    R_y:
C98F8C9A7D65880920C2FEBE552D8245979E6D67CE82A41EF1BAD22FD3

    R:
3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0

    D:
8434613F4B799B4C26E4D7AB8E9481B04B09E648C94AFFD14B611A20

    S:
4CC71DA49B12F09C1DFABB3D7B5BC03CE4898B5E07B2AA3D4BF6569395

    Signature
        R:
3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0

        S:
```

4CC71DA49B12F09C1DFABB3D7B5BC03CE4898B5E07B2AA3D4BF6569395

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

  Signature Verification
    Q_x:
<17C9DD766AEFBE4DE4B15F46DB0671DC4CA0767ED51ECEA94757D9C662
E>
    Q_y:
<1CDD726084837AE73C11C27D605C6EB2D5E3148235878030 5C2522B151
B>

    H:
<82002E97C4A760B35EEE9059D533B5F25EF3D736D78839C0398FAFAB>

    E:
<82002E97C4A760B35EEE9059D533B5F25EF3D736D78839C0398FAFAB>

    Sinv:
<61BE9CB202B9D2763C64BE6BB11BDCEBD607BD24820EBC8CCAA900FF78
>

    U:
<13F54BE5101ECDD071F51ADC8C5D01B0A0058E54541EF22636B5B537BF
>

    V:
<16E5FF82AEA8DE6FF673CA9DE1D53A33A752CDA334737DC0EEB8F7437B
>

    Rprime.X:
<1BEA7231662E6516F11E37D59D500EAE71D116E9B7BBCE5964B88D4CC4
D>

    Rprime.Y:
<C98F8C9A7D65880920C2FEBE552D8245979E6D67CE82A41EF1BAD22FD3
>

    Rprime:
<3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0
>

Verification Passed!