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

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

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

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

  Signature Generation
    H:
CB2314B21E913F4D345AF272ED611F3EBA00388056921DA8A450F731

    E:
CB2314B21E913F4D345AF272ED611F3EBA00388056921DA8A450F731

    K:
190DA60FE3B179B96611DB7C7E5217C9AFF0AEE435782EBFB2DFFF27F

    Kinv:
759A37371C026E261ADD7278B81EE15D18E2B0D9BD1A077AEBF96AA067

    R_x:
1BEA7231662E6516F11E37D59D500EAE71D116E9B7BBCE5964B88D4CC4D

    R_y:
C98F8C9A7D65880920C2FEBE552D8245979E6D67CE82A41EF1BAD22FD3

    R:
3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0

    D:
8434613F4B799B4C26E4D7AB8E9481B04B09E648C94AFFD14B611A20

    S:
7503EC8E630386CE36A6276F221BC8EE4592CCA5960A1EABE3BD2A282A

    Signature
        R:
3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0

        S:
```

7503EC8E630386CE36A6276F221BC8EE4592CCA5960A1EABE3BD2A282A

==========

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

    H:
<CB2314B21E913F4D345AF272ED611F3EBA00388056921DA8A450F731>

    E:
<CB2314B21E913F4D345AF272ED611F3EBA00388056921DA8A450F731>

    Sinv:
<6EE61732285EA3C3774E48BF0D50A4FD0D7CD918608156825671376 27B
>

    U:
<43A8EA51489B412B0A1CA97865A12491E8E144159E56CDC8BBE201D0D5
>

    V:
<36D6AC76BCAC51707F796E6FA1CB649F7FD2C69AED93D01AB7C8AE35AA
>

    Rprime.X:
<1BEA7231662E6516F11E37D59D500EAE71D116E9B7BBCE5964B88D4CC4
D>

    Rprime.Y:
<C98F8C9A7D65880920C2FEBE552D8245979E6D67CE82A41EF1BAD22FD3
>

    Rprime:
<3EA7231662E6516F11E37D59D500D70F09E62D64FE6FF445C9B479C8B0
>

Verification Passed!