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

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

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

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

  Signature Generation
    H:
6A8389D3644C7FA90D7F57E6049D0DD41B8E473CD296C71D0FF232B3

    E:
6A8389D3644C7FA90D7F57E6049D0DD41B8E473CD296C71D0FF232B3

    K:
8A65482917BA18F1E8B266A3795B0A3A09C439FA6B611E37123BAF72

    Kinv:
97589E4B9B7C0F0C1E58D2AC61E8297D83FE7D00172E64B7D0DF207DD9

    R_x:
186806715D9620F0A3E62C1BA593D9817B6DCB23DE85BF504C326629E63

    R_y:
17A9A5F0476B3CBC612CE37AE5722C0E56D392B4A5D1D91407C8AB4855B

    R:
86806715D9620F0A3E62C1BA593D842E41F582B37F39F1E79D2292BD8C

    D:
8AF6D5A8E875977C7D4BA1F611CF7B6D70B26140BF84A1CC281F1B7B

    S:
40159539861BE6673C0A3B2E49F5F6C9532B60130C6FC78826C9E900EF

    Signature
        R:
86806715D9620F0A3E62C1BA593D842E41F582B37F39F1E79D2292BD8C

        S:
```

40159539861BE6673C0A3B2E49F5F6C9532B60130C6FC78826C9E900EF

==========

  Signature Verification
    Q_x:
<1D3AD52D68F8383F582E2BA00F89CE1632211EDC24440C31798E0C8ED4
0>
    Q_y:
<6C3B96CC0E6BC59355A1294E22DBF1D4B9071C28DA1389B6DEBE0E7F43
>

    H:
<6A8389D3644C7FA90D7F57E6049D0DD41B8E473CD296C71D0FF232B3>

    E:
<6A8389D3644C7FA90D7F57E6049D0DD41B8E473CD296C71D0FF232B3>

    Sinv:
<F9DD4B9DE5243121138011E4E537CD2D0B831DCC81C01E15CC519763F>

    U:
<9621ACB96BA987E2354A4CA3273C142BC963CCE4CB84E17F4A6A8A3E1>

    V:
<6F64D0192B2965749D0AC29C7840245CC70BDB296F7E71CFC59C069515
>

    Rprime.X:
<186806715D9620F0A3E62C1BA593D9817B6DCB23DE85BF504C326629E6
3>

    Rprime.Y:
<17A9A5F0476B3CBC612CE37AE5722C0E56D392B4A5D1D91407C8AB4855
B>

    Rprime:
<86806715D9620F0A3E62C1BA593D842E41F582B37F39F1E79D2292BD8C
>

Verification Passed!