# Create a P2PKH Brainwallet



# This is a TERRIBLE idea!

### First, hash a memorable string

#### Next create an integer private key based on the hash

```
In[251]:=
       pk = PrivateKey[
          ۲|
           "Type" → "EllipticCurve",
           "CurveName" → "secp256k1",
           "PrivateMultiplier" → h
        ]
Out[251]=
                                Type: Elliptic curve (secp256k1)
```

#### Create a Wallet Import Format (WIF) code

See https://en.bitcoinwiki.org/wiki/Wallet\_import\_format

```
In[252]:=
      wif = BlockchainKeyEncode[
         pk,
         "WIF",
         BlockchainBase → "Bitcoin"
Out[252]=
```

5KGt52joLVh4Ua6znvASybhEH6ztLY7oAm1HBe2yavjUJSLCLgQ

### Let's create a QR code for our WIF

In[253]:= BarcodeImage[wif, "QR"]

Out[253]=

