PA193\_mnemonic\_CGB Input Testing.

T1+T5 tests are most important

**T1:**

Option 1(Entropy)

Option 1(Hexadecimal)

32 Bit Input: AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Result:

Initial decimal Array:1365 682 1365 682 1365 682 1365 682 1365 682 1365

Decimal Array: 1365 682 1365 682 1365 682 1365 682 1365 682 1365 513

Seed : 1c3dd30d3f0e263346e2330ce43454c1aac5c802abc28654c4e3d241cfc526540ccdf8d326d7d029f30c4c0c314aec6fb6554ee68333ecd01ef58050b6d9a749

Printed this out 3 times and waited for user to input another number:

Choose 1 or 2 :

1) hexa

or

2) binary

**T2:**

Option 1(Entropy)

Option 1(Hexadecimal)

32 Bit Input: A

Result:

Error hex Input

Choose 1 or 2 :

1) hexa

or

2) binary

**T3:**

Option 1(Entropy)

Option 1(Hexidecimal)

32 Bit Input: “ ”

Result:

Error hex Input

Choose 1 or 2 :

1) hexa

or

2) binary

**T4:**

Option 1(Entropy)

Option 1(Hexadecimal)

32 Bit Input: AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA\*\*

Result:

Initial decimal Array:1365 682 1365 682 1365 682 1365 682 1365 682 1365

Decimal Array: 1365 682 1365 682 1365 682 1365 682 1365 682 1365 513

Seed : 1c3dd30d3f0e263346e2330ce43454c1aac5c802abc28654c4e3d241cfc526540ccdf8d326d7d029f30c4c0c314aec6fb6554ee68333ecd01ef58050b6d9a749

Printed this out 3 times and waited for user to input another number:

Choose 1 or 2 :

1) hexa

or

2) binary

**T5**

32-Bit intput but only using ‘f’

Option 1(Entropy)

Option 1(Hexadecimal)

32 Bit Input: ffffffffffffffffffffffffffffffff

Result:

Initial decimal Array:2047 2047 2047 2047 2047 2047 2047 2047 2047 2047 2047

Decimal Array: 2047 2047 2047 2047 2047 2047 2047 2047 2047 2047 2047 1799

Seed:1c3dd30d3f0e263346e2330ce43454c1aac5c802abc28654c4e3d241cfc526540ccdf8d326d7d029f30c4c0c314aec6fb6554ee68333ecd01ef58050b6d9a749

First part of seed comparison to T1:

(T1)1c3dd30d3f0e263346e2330ce43454c1aac5c802abc28654c4e3d241cfc526540ccdf8d326d7

(T5)1c3dd30d3f0e263346e2330ce43454c1aac5c802abc28654c4e3d241cfc526540ccdf8d326d7

Second part of seed comparison:

(T1)d029f30c4c0c314aec6fb6554ee68333ecd01ef58050b6d9a749

(T5)d029f30c4c0c314aec6fb6554ee68333ecd01ef58050b6d9a749

**Different input but seeds are identical.**