Activity Diagram- Memory Tests

Start ⬤

End ⬤

Allocate 16 Bytes Block

Write a Memory Pattern with selected Seed

Display Memory Block

Pattern Generator returning Byte Array

Verify the Pattern — **Pass** / **Fail**

Write 0xFFEE to a position within the block

Display Memory Block

Verify the Pattern — **Pass** / **Fail**

Write memory pattern using same seed as before

Pattern Generator returning Byte Array

Display Memory Block

Invert 4 bytes in the memory region (location + some offset)

Verify the Pattern — **Pass** / **Fail**

Display Memory Block

Invert those 4 bytes in the LMA region (location + some offset)

Verify the Pattern — **Pass** / **Fail**

Free the 16 byte allocated region (if necessary on your target)