THE IRS_BLOCK_MANAGER ARCHITECTURE: BEFORE A TRIGGER



THE IRS_BLOCK_MANAGER ARCHITECTURE: WHEN TRIGGER OCCURS



THE IRS_BLOCK_MANAGER ARCHITECTURE: AFTER TRIGGER OCCURS



THE IRS_BLOCK_MANAGER ARCHITECTURE: WHILE READOUT IS OCCURRING



While readout is occuring, the block manager will reencounter "E" in the active buffer.

It will discover "E" is locked, and use the first block from the free buffer instead, deleting it from the free buffer.

It then *overwrites* "E" in the active buffer with "U".

THE IRS_BLOCK_MANAGER ARCHITECTURE: WHEN READOUT COMPLETES



When the readout of "E" completes...

Trigger handler places "E" on lock_address input, "O" on 'lock', and asserts 'lock_strobe' Trigger handler then puts "E" on 'free_address' and asserts 'free_strobe'