WHY: TO PROTECT AGAINST TWO THROWS SIMULTANCOUSLY ACCESSING A CRITICAL SECTION

WHAT CAUSES THE PROBLEM:

B -> X AND Y -> A

SEQUENTIAL CONSISTENCY

LD/ST ACCESS MOMORY IN PROGRAM ORDER.

i.e. $A \rightarrow B \rightarrow C$ $X \rightarrow Y \rightarrow Z$

IN ORDER FOR CRITICAL SECTION TO BE SC/2
ACCESSIBLE BY BOTH AND SEQUENTIAL
CONSISTENCY TO BE MAINTAINED

: SQUANTIAL CONSISTENCY -> MUTUALLY EXCLUSIVES
ACCESS TO CRITICAL
SECTION