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- **Trojan description**
    - The Trojan trigger is a high active region detector. Whenever the number of transitions over some internal signals are above a certain value in a short time interval (50 clock cycles), the Trojan gets activated. After Trojan activation, the Trojan payload leaks the value of one internal signal through a primary output.

- **Trojan taxonomy**
    - Insertion phase: Design
    - Abstraction level: gate level
    - Activation mechanism: Internally conditionally triggered
    - Effects: Change Functionality, Leak Information
    - Location: Processor
    - Physical characteristics: Functional

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HighActiveRegionDetection TrojanTrigger (CK, g26963, g34629, g25757, g34640, g34628, g26888, g34635, g34619, Tj_Trigger);

MUX21X1 Trojan_Paylod (.IN1(g10122_Tj), .IN2(g25715), .S(Trigger_out), .Q(g10122));

Please send your concerns/questions to

   Dr. Hassan Salmani at **SalmaniHSN@gmail.com**

   Administrator at **admin@trust-hub.com**