Fixing code is a grind. Cyber Reasoning Systems automate the search and discovery of vulnerabilities through millions of lines of code and applies the appropriate patches to protect the system from future attacks.

1. FUZZING
   Overwhelm system with random and invalid data until it crashes.

2. ANALYZE
   Analyze the crash to find coding errors and security vulnerabilities.

3. CHECK
   Compare vulnerability against repository of known fixes.

4. PATCH
   The system automatically fixes the found vulnerability.

5. UPDATE
   By continuously learning, the system becomes “smarter” each time it discovers and fixes vulnerabilities.

Artificial Intelligence
A CRS’ self-healing capabilities can simulate the thought process of a cyber analyst.

WHAT DOES CRS MEAN TO YOU?
- SPEED: Vulnerabilities are fixed in seconds, not days or weeks.
- COST-EFFICIENCY: Automated CRS work 24/7, don’t take holidays or get tired.
- FILL TALENT GAP: As a workforce multiplier, CRS frees human analysts to focus on the toughest challenges.

Raytheon’s DEEP RED
CRS will compete at the DARPA Cyber Grand Challenge finals.

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