Defence strategy to targeted attacks using game theory

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Abstract

Recently,cyber attacks have become a problem.We need this problem to be addressed.

This paper is using game theory's two-zero sum game to cyber attacks.

We can promising measures of cyber attack.Game theory is maximize the gain of the attacker and minimize the loss of the defender.

The paper propose to defence strategy using game theory for minimize loss.

最近, サイバー攻撃に関する問題が多いため対策をする必要がある.

本文ではサイバー攻撃に対してゲーム理論の 2 人ゼロ和ゲームを用いることで, 攻撃者の利得を最大化し防御者の損失を最低にし最悪の状況を考え, 防御者の損失を最低に抑えることができるような防御戦略を提案する.