The Recover Problem. [COMMENT] Consider other name.

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Abstract

We answer what is the complexitiy of recovering a system after absorpting a sagnificent damge. Formally we show that if it gurnted that a amlicus/virus program took the control on at most $\Theta(n)$ ([COMMENT] $\frac{1}{4}n$ parties than one can ethier recover the system at a cost linear at dame that made by the malicious.

1 Introduction.

Consider the case that an originzation detects a malicious progaram in his net, knowing that the virous toched at most quarter of the computers he needs to take a decision wheter is going to reformat the system or paying the cost of recover the damge. Even the problem might sounds artifical it actually modolates situations in which the damge that made for the companies is not well understood. In this work we suggest a simple soultion for that problem and also review how efficiently use other constructions from the error correction field