

## VII-O-2

### TIC-TAC-TOE, CHỨNG MINH VỚI SỰ HỖ TRỢ MÁY TÍNH

Trần Thái Dương

Trường ĐH Quốc tế, ĐHQG-HCM

#### Tóm tắt

#### TIC-TAC-TOE, A COMPUTER-AIDED PROOF

##### Abstract

As a child, we all played Tic-Tac-Toe and before long, we believed that the game always ended in a tie if both players played well. However, we do not have a simple algorithm that can protect us perfectly and most of us

have never seen a complete proof of the fact that there always be a tie if both players are good. There are actually more than 700 unique games even after we consider all symmetry. That number is big enough to make a traditional proof very complicated.

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Email liên hệ: [tduong@hcmiu.edu.vn](mailto:tduong@hcmiu.edu.vn)