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Eternal Domination with Independent Guards

We consider the problem of monitoring (or dominating) a network by an independent set of guards with an additional dynamic property. If an intruder appears at a node unoccupied by a guard one can move one step to that position to handle the attack while others can either remain fixed or move to adjacent nodes such that the new set of positions for the guards is also independent. Furthermore this process can be repeated (the eternal part). The problem of multiple simultaneous attacks is also briefly considered. This is part of a joint investigation with A. Finbow and K. Mynhardt.