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PRELIMINARY REPORT
THEOREMS OF THE ALTERNATE

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In my paper, I am investigating theorems of the alternate. A theorem of the alternate is generally a statement specifying the relationships between the solutions of a homogeneous linear system of equations and the solutions of an associated system of linear inequalities (Pye, W.E. and Webster, P.G. 1989. Theorems of the alternative. Mathematics and Computer Education. 23(2)). Several points of view relating the theorems to linear programming and linear algebra will be presented. Also, several well-known versions will be derived relating to one another.