

**ANALYSIS OF VERTICAL SPREAD STRATEGIES AND  
SUGGESTION OF OPTIMAL ALGORITHM FOR  
PRACTICAL INVESTMENT**

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**Abstract.** Vertical Bull Spread strategy and Vertical Bear Spread strategy are analysed in this paper. Profit functions are described for all possible ways of their creation. Conditions are provided under which particular methods are equivalent in terms of profit function. Based on these theoretical principles optimal algorithm for use of Vertical Spread strategies in practical investment is designed.

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**Keywords:** optimal algorithm for investment, strategies