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## On one application of the Cherny-Shiryaev criterion of stochastic integrability

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The Cherny-Shiryaev criterion provides a description of predictable processes which are integrable with respect to a vector-valued semimartingale in terms of its local characteristics.

We provide an example how this result can be used in the problem of existence of local martingale numéraire in a model of financial market which has no asymptotic arbitrage opportunities of the first kind.

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