Abstract: Let \((X_n, n \geq 1)\) be a sequence of independent identically distributed random variables with a common distribution function \(F\) and let \(S_n = \sum_{j=1}^{n} X_j, n \geq 1\). When \(F\) belongs to the domain of partial attraction of a semistable law with index \(\alpha, 0 < \alpha < 2\), Chover’s form of the law of the iterated logarithm has been obtained for subsequences of \((S_n)\), along with some boundary crossing problems.

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