Ming Wu and Hao Pan Sums of products of Bernoulli numbers of the second kind, Fibonacci Quart. **45** (2007), no. 2, 146–150.

## Abstract

The Bernoulli numbers of the second kind  $b_n$  are defined by

$$\sum_{n=0}^{\infty} b_n t^n = \frac{t}{\log(1+t)}$$

In this paper, we give an explicit formula for the sum

$$\sum_{\substack{j_1+j_2+\cdots+j_N=n\\j_1,j_2,\ldots,j_N\geq 0}} b_{j_1}b_{j_2}\cdots b_{j_N}$$

We also establish a q-analogue for

$$\sum_{k=0}^{n} b_k b_{n-k} = -(n-1)b_n - (n-2)b_{n-1}.$$