Sum of bigomega

[Award] **8 pts**

[Category] **Math**

Arithmetic function Ω(*n*) is the total number of prime factors of *n*, counting prime factors with multiplicity. For example, Ω(3) = 1, Ω(6) = 2, Ω(72) = 5. Let *S*(n) = sum(*x* = 1, *n*, Ω(*x*)). You are given *S*(10) = 15, *S*(1000) = 2877.

Find S(1013).

Thanks to **baihacker** for the idea.

[Answer] **44189168275565**