

Let $b_1 = -a_1$.

Given b_1, \dots, b_{m-1}

Let

$g_m =$ Coeff of q^{m-1} in $\prod_{n=1}^{m-1} (1 - q^{b_n})$

Then

$$b_m = g_m - a_m$$

Any implementation is given as function (Q, f, T)
in the file FUNCS.txt.