Let

$$g(n) = 2\pi e^{1+W\left(\frac{8n+1}{8e}\right)} \tag{1}$$

be the approximate value of the n-th Gram point. Now define

$$G(n) = \frac{Z(g(n))}{|Z(g(n))|} + \frac{Z(g(n+1))}{|Z(g(n+1))|} \tag{2}$$

then the function defined by

$$B(n) = \frac{1}{4} G(n-1)G(n) \tag{3}$$

takes on the value 1 when n is a "bad" Gram point for which $(-1)^{n+1}Z(g(n)) > 0$ and the value 0 when it is a "good" Gram point $(-1)^{n+1}Z(g(n)) < 0$.

(4)