We give a list of corrections for the paper.

- p. 186, line 12: when \( v = 0, r^v \) should be understood to be \( r^v = 1 \) (even if \( r = 0 \)). Similarly, when \( v = 0 \), the following values should be understood to be 1:
  - p. 188, \( \lambda^v \) in line 16;
  - p. 188, \( r^v \) in line 2 from the bottom;
  - p. 189, \( \lambda^v \) in line 2;
  - p. 190, \( (z + q)^v \) in line 9 from the bottom;
  - p. 190, \( z^v \) and \( (-\tau^{r\over 2\pi})^v \) in line 6 from the bottom;
  - p. 190 \( (r^{v\over 2\pi}) \) in line 3 from the bottom;
  - p. 195, \( r^v \) in line 3.

- p. 187, line 8: insert “\( a(n, s) \) is holomorphic on the same region.” after “\( s \neq 1 \).”

- p. 195, line 11: “all \( s \in \mathbb{C} \)” should be “\( \Re s > \frac{1}{2} \).”

- p. 198, Lemma 10(2)(ii) and p. 199, Proposition 3(1)(ii): “\( f^1_{\nu, 1+2\eta} \)” should be “\( f^1_{\nu, 1+\eta} \).”

- p. 199, line 15 from the bottom: add “\( M = |D_K| = M_1, L = 1 \)” and “after “In this case,””

- p. 200, line 3: “\( v(\sigma-k+1+\nu)/2 \)” should be “\( v(\sigma-k+1+\nu)/2 \).”

- p. 200, line 8: delete \( \pi \) from the exponent in the power with base e.

- p. 200, line 10: “\( e^{-\pi(v/2)} \)” should be “\( e^{-\nu/2} \).”

- p. 200, line 11: “\( K_1 := 2^{\sigma-(1/2)}|\Gamma((s-k+v+1)/2)|^{-1} \)” should be “\( K_1 := \pi^{\sigma/2+(1/4)}2^{\sigma+(1/2)}|\Gamma((s-k+v+1)/2)|^{-1} \).”

- p. 200, line 9 from the bottom: “\( N_1 \mid r, N_2 \mid r \)” should be “\( \gcd(r, N) = N_1 \).”

- p. 204, line 3 from the bottom, insert the following sentence after the formula of \( A(1, \pm10, s) \): “Similarly, if \( r^2 - 100 = 5f^2 \) with some \( f \in \mathbb{N} \), then by Propositions 2, 3(2) and Lemma 3(a)(2-2), one has

\[
A(1, r, s) = \sqrt{5} \frac{\chi_5(2r|5)5^{-s}}{(1+5^{-s})\xi(2s)} F_{r/5, 1}(5^{-s}),
\]

\[
F_{r/5, 1}(5^{-s}) = \frac{-\chi_5(2r/5)5^{-s}}{1-5^{-1-2s}} (1-5^{1-s})(1+5^{1-s} - 5^{m+1-(2m+1)s}(1+5^{-s})),
\]

where \( m \) is the integer such that \( 5^m \) is the highest power of 5 dividing \( f/5 \).”

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