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Nonnegative integer solutions of $1 + 2^x5^y + 5^z11^u = 2^v11^w, xuvw > 0, y + z > 0$. (Chinese. English summary) Zbl 07366895

Summary: This paper discusses a special case of the Diophantine equation $1 + X + Y = Z$. With computer assistance, all the nonnegative integer solutions to the exponential Diophantine equation $1 + 2^x5^y + 5^z11^u = 2^v11^w, xuvw > 0, y + z > 0$ are determined by elementary method.

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