$a1a1aaaa$
e.g.$\pm 6, \pm 12, \pm 24, \pm 48, \cdots 2, 3, 662, 3, 6[2, 3, 6] =$
6
$a_1, a_2, \cdots, a_n a_1, a_2, \cdots, a_n[a_1, a_2, \cdots, a_n]$
$a_1, a_2, \cdots, a_n$
$a_1 a_2 \cdots a_n a_1, a_2, \cdots, a_n a_1, a_2, \cdots, a_n$
$[a_1, a_2, \cdots, a_n] =$
$m, [a_1, a_2, \cdots, a_n] =$
q
$m <$
$q[a_1, a_2, \cdots, a_n] =$
q
$q >$
$m[a_1, a_2, \cdots, a_n] =$
m
$qa_1, a_2, \cdots, a_n$
$m =$
$a_1, a_2, \cdots, a_n$
$_1, a_2, \cdots, a_n] =$
$[|a_1|, |a_2|, |\cdots, a_n|].$
$[a, 1] =$
$|a|, [a, a] =$
$|a| a \neq$
0
$[a, b] =$
$[b, a]$
$a \mid$
$b[a, b] =$
$|b|$
$ma_1, a_2, \cdots, a_n qa_1, a_2, \cdots, a_n m =$
$[a_1, a_2, \cdots, a_n] \Leftrightarrow$
$m \mid$
q
$mqm =$
$[a_1, a_2, \cdots, a_n]m <$
$qq =$
$mx +$
$r(r <$
$m)a_k \mid$
$m, a_k \mid$
$qa_k \mid$
$(q -$
$mx) =$
$r(k =$
$1, 2, \cdots, n)ra_1, a_2, \cdots, a_n r <$
$mm =$
$[a_1, a_2, \cdots, a_n]$
$[a_1, a_2, \cdots, a_n] =$
$p \neq$
$mm \mid$
$qpa_1, a_2, \cdots, a_n m \mid$
$p, m <$
$p[a_1, a_2, \cdots, a_n] =$
$pp =$
m
$a_p \mid$
$m(p =$
$1, 2, \cdots, n)$
$_1, a_2, \cdots, a_n] \Leftrightarrow$
$\left(\frac{m}{a_1}, \frac{m}{a_2}, \cdots, \frac{m}{a_2}\right) =$
1
$.(ma_1, ma_2, \cdots, ma_2) =$
$q >$
$1q \mid$
$ma_k qa_k \mid$
$ma_k \mid$
$mqmqa_k(p =$
$1, 2, \cdots, n)mq <$
$mm =$
$[a_1, a_2, \cdots, a_n]$
$\left(\frac{m}{a_1}, \frac{m}{a_2}, \cdots, \frac{m}{a_2}\right) =$
1
$.[a_1, a_2, \cdots, a_n] =$
$k <$
$m\mathbf{??}k \mid$
$mm =$
$kq(q >$
$1)a_p \mid$
$k(p =$
$1, 2, \cdots, n)a_p \mid$
$mqq \mid$
$ma_p qma_k(p =$
$1, 2, \cdots, n)(ma_1, ma_2, \cdots, ma_2) =$
$1m =$
$[a_1, a_2, \cdots, a_n]$