qadd[11,40]

$r + s$
$\equiv_{\text{def}}$ if isint(r)
then if isint(s) then $r + s$ else let i,$j = s$ in $<(r * j) + i, j>$ fi
else let p,$q = r$
in
if isint(s)
then $<p + (s * q), q>$
else let i,$j = s$ in $<(p * j) + (i * q), q * j>$
fi
fi

clarification:

$r + s$
$\equiv_{\text{def}}$ if isint(r;tt;ff)
then if isint(s;tt;ff) then $r + s$ else let i,$j = s$ in $<(r * j) + i, j>$ fi
else let p,$q = r$
in
if isint(s;tt;ff)
then $<p + (s * q), q>$
else let i,$j = s$ in $<(p * j) + (i * q), q * j>$
fi
fi

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http://www.nuprl.org/FDLcontent/p0_963683_/p78_300211_{qadd}.html