channel $store, add, out : NAT$
channel $result, reset$

process $Register \mathrel{\widehat=}$
begin state $RegSt \mathrel{\widehat=} [value : NAT]$
$A2 \mathrel{\widehat=} A \llbracket NSa \mid NSb \rrbracket BA2 \mathrel{\widehat=} A \lll BA2 \mathrel{\widehat=} A [\![NSa \mid CS \mid NSb]\!] BA2 \mathrel{\widehat=} A [\![CS]\!] BA2 \mathrel{\widehat=} A \Box BA2 \mathrel{\widehat=} AName$
end

channel $read, write : Z$
process $SumClient \mathrel{\widehat=}$
begin
$ReadValue \mathrel{\widehat=} read?n \longrightarrow reset \longrightarrow Sum(n)$
$Sum \mathrel{\widehat=} n : NAT \bullet \big(n = 0\big) \mathbin{\&} result \longrightarrow out?r \longrightarrow write!r \longrightarrow \mathbf{Skip}$
$\Box\big(n \neq 0\big) \mathbin{\&} add!n \longrightarrow Sum(n)$
$\bullet\ \mathbf{Skip}$
end

channelset $RegAlphabet == \{\!|\ store, add, out, result, reset\ |\!\}$