Algorithm 1

function B1(a, b)
    return $a + b$
end function

Algorithm 2

function B2(a, b)
    $x \leftarrow a + b$
    $y \leftarrow a \cdot b$
    return $x + y$
end function

Algorithm 3

function L$(\mathbf{a}, \mathbf{b}, n)$
    $sum \leftarrow 0$
    for $i = 0, 1, 2 \ldots, n$ **do**
        $sum \leftarrow sum + A[i] \cdot B[i]$
    end for
    return sum
end function

Algorithm 4

function Q$(\mathbf{A}, \mathbf{B}, n)$
    $sum \leftarrow 0$
    for $i = 0, 1, 2 \ldots, n$ **do**
        for $j = 0, 1, 2 \ldots, n$ **do**
            $sum \leftarrow sum + A[i] \cdot B[j]$
        end for
    end for
    return sum
end function

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