→ Every function makes its own copy of primitive variables which means changes made in one function will not be visible in another function

→ This is called Pass by value
every function will have its own copy of passed variables

Ⓐ In java only primitives are passed by value

Ⓑ Non primitives and other objects are passed by reference → address

Ⓒ There is no concept of pointers in Java.

→ Anything that a function has in the memory is called its context.

con version

Binary To decimal conversion

$2^2 \; 2^1 \; 2^0$

$\boxed{1 \; 1 \; 1}$ ⑦

$(1 \times 2^0) + (1 \times 2^1) + (1 \times 2^2)$

$\qquad 1 \qquad\qquad 2 \qquad\qquad 4 = ⑦$

$2^4 \; 2^3 \; 2^2 \; 2^1 \; 2^0$

$\boxed{1 \; 0 \; 1 \; 0 \; 1}$

$(1 \times 2^0) + (0 \times 2^1) + (1 \times 2^2)$

$\qquad\qquad + (0 \times 2^3) + (1 \times 2^4)$

$1 + 0 + 4 + 0 + 16 = 21$