

## RAM DIAGRAM OF selection.cpp Program

### RAM

FREE
FREE
FREE
FREE
FREE
FREE
FREE
FREE

State of the RAM before  
initializing or declaring  
any variable within the  
program

### RAM

x	RESERVED
y	RESERVED
z	RESERVED
	FREE
	FREE
	FREE
	FREE
	FREE

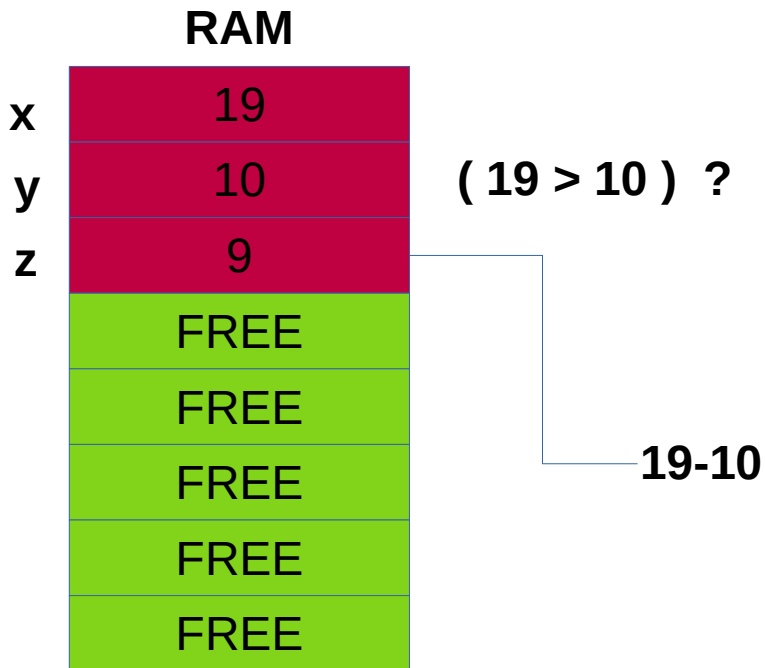
The state of RAM when  
the variable "x","y","z",  
is declared

### RAM

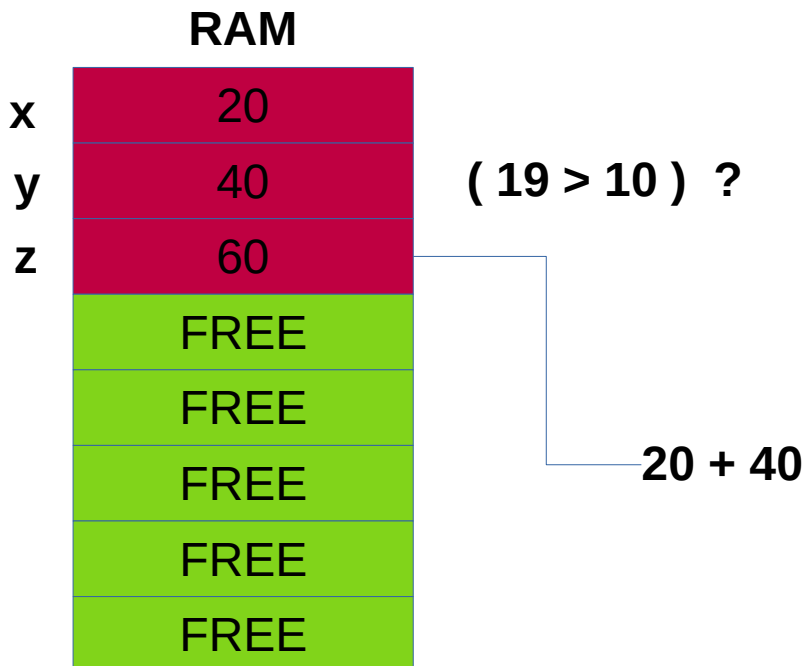
x	RESERVED
y	RESERVED
z	RESERVED
	FREE
	FREE
	FREE
	FREE
	FREE

(x > y) ?

The state of the RAM  
when the selection  
condition is executed  
due to the stored value  
of variable "x" and "y"



The state of the RAM when the user enters the value of "x" and "y". Here the values are compared, further processes leads to results to be stored in the variable "z", hence the values of the output is then displayed as the difference of x and y stored in variable "z"



The state of the RAM when the user enters the value of "x" and "y". Here the values are compared, further processes leads to results to be stored in the variable "z", hence the values of the output is then displayed as the sum of x and y stored in variable "z"