

RAM

FREE
FREE
FREE
FREE
FREE
FREE
FREE
FREE

State of the RAM before
initializing any variable
within the program

RAM

num	RESERVED
	FREE
	FREE
	FREE
	FREE
	FREE
	FREE

The state of RAM when
the first variable “num”
is initialised.

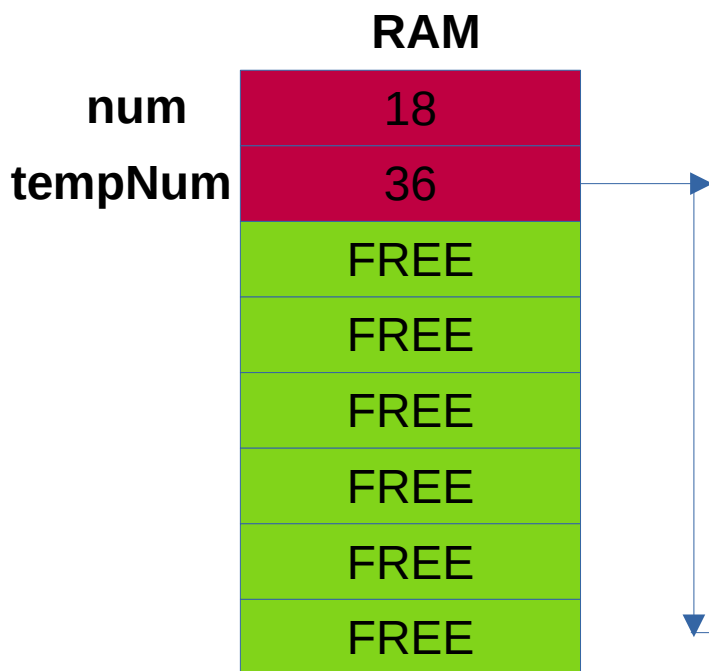
RAM

num	RESERVED
tempNum	RESERVED
	FREE
	FREE
	FREE
	FREE
	FREE
	FREE

The state of RAM when
the two variables
“num” and tempNum
are declared



The state of the RAM when the variable “num” is initialised with the value 18



The state of the RAM when the the value of “tempNum is initialised with the execution of “num * 2”
After execution of “tempNum = num * 2”

18 * 2