

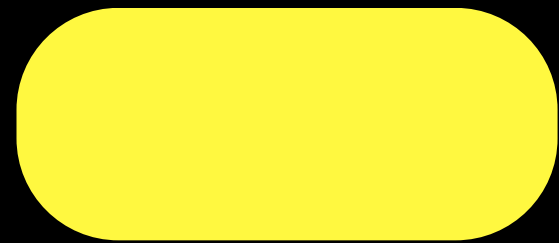


UNIVERSIDADE
FEDERAL DO
MARANHÃO

Alocação de Memória

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Legenda



Ação corrente



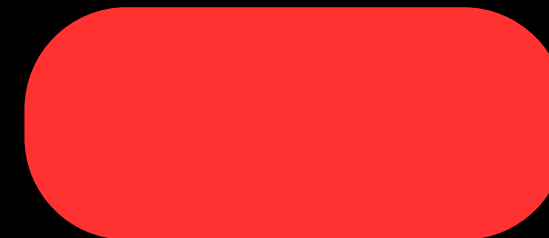
SIM



Condição atendida



NÃO



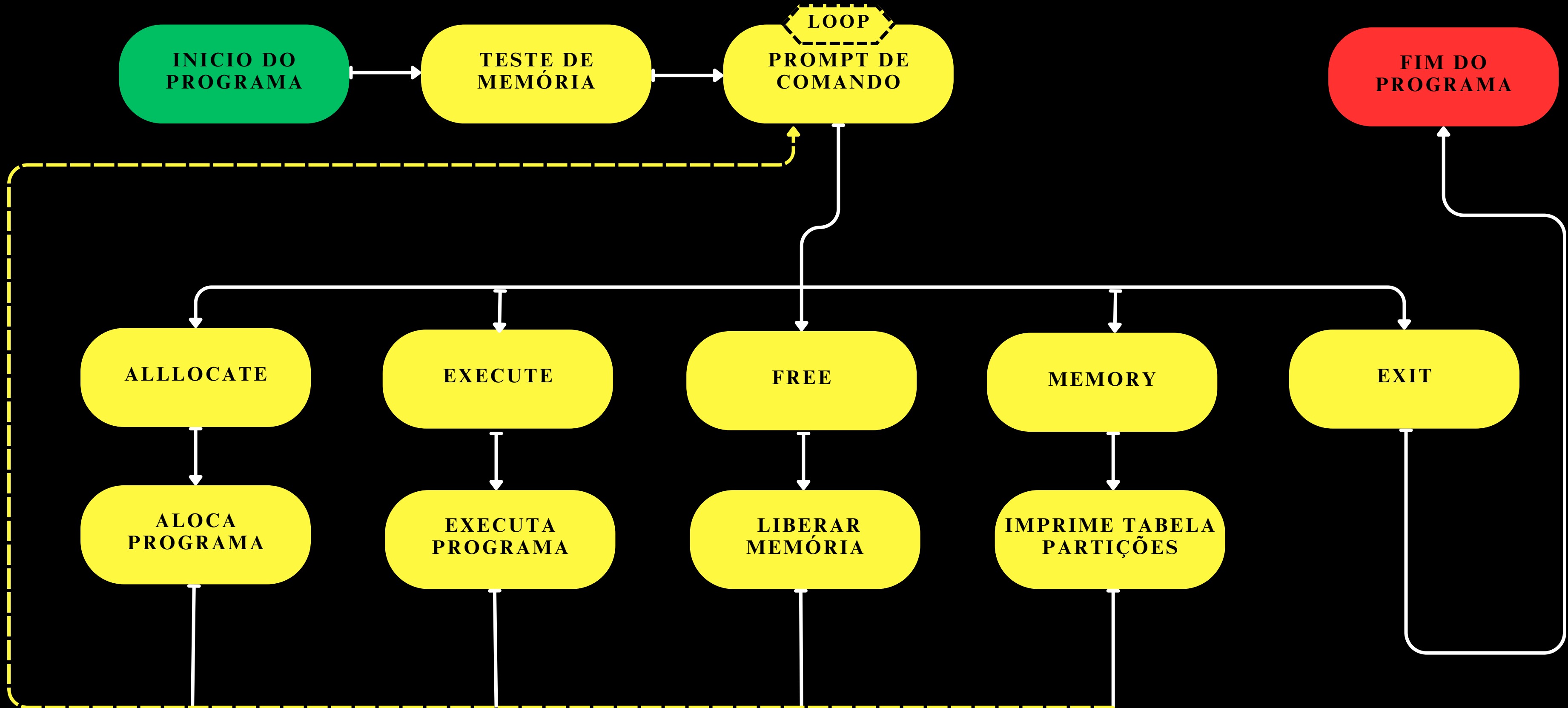
Condição não atendida



Comando em loop



Visão Geral do programa



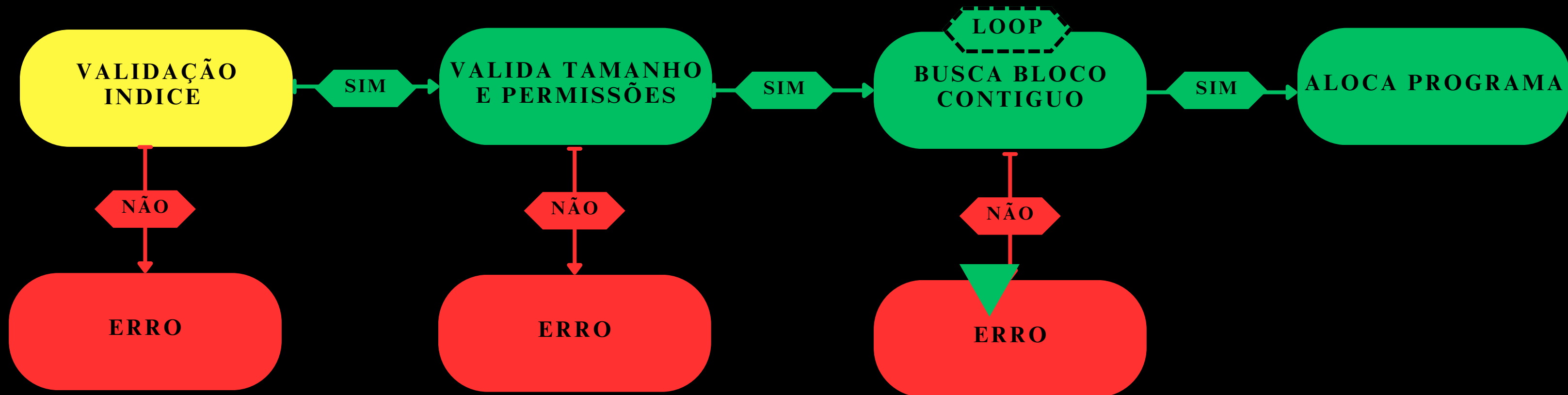
Início do Sistema Operacional Simulado

```
def __init__(self, partition_sizes=None)
```



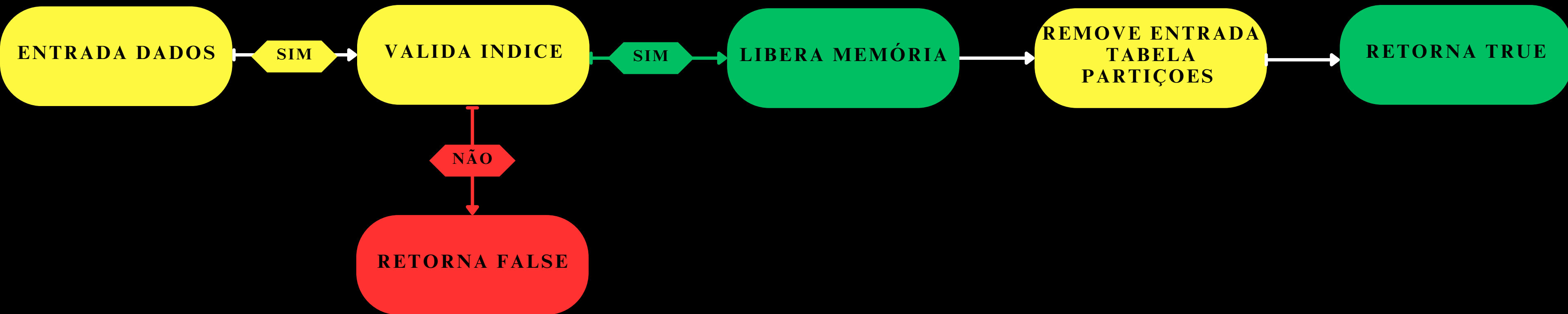
Alocação Memória

```
def allocate_memory(self, program, size=1, partition_index=0, permissions="")
```



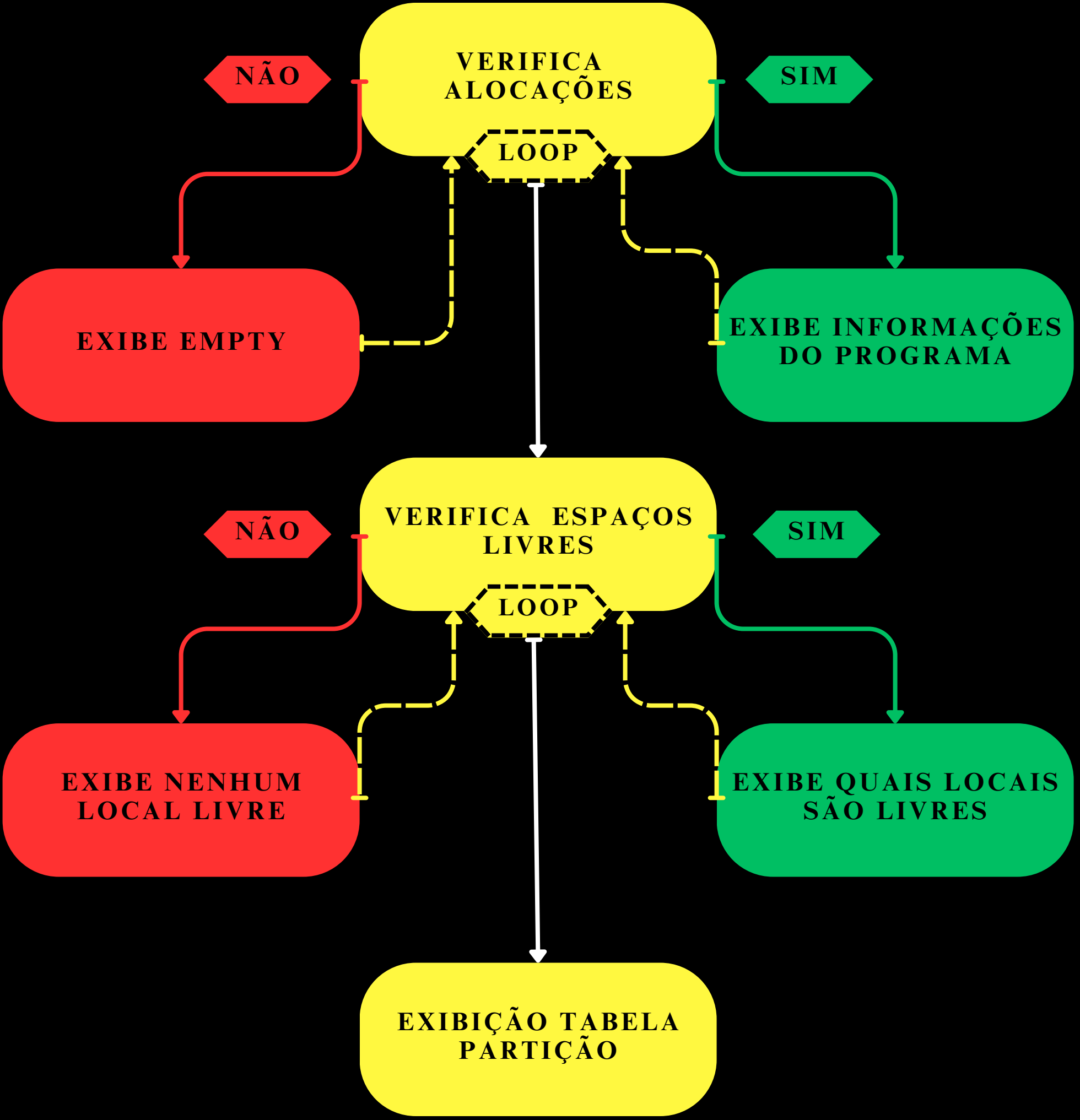
Liberação de Memória

```
def free_memory(self, partition_index, size=1)
```



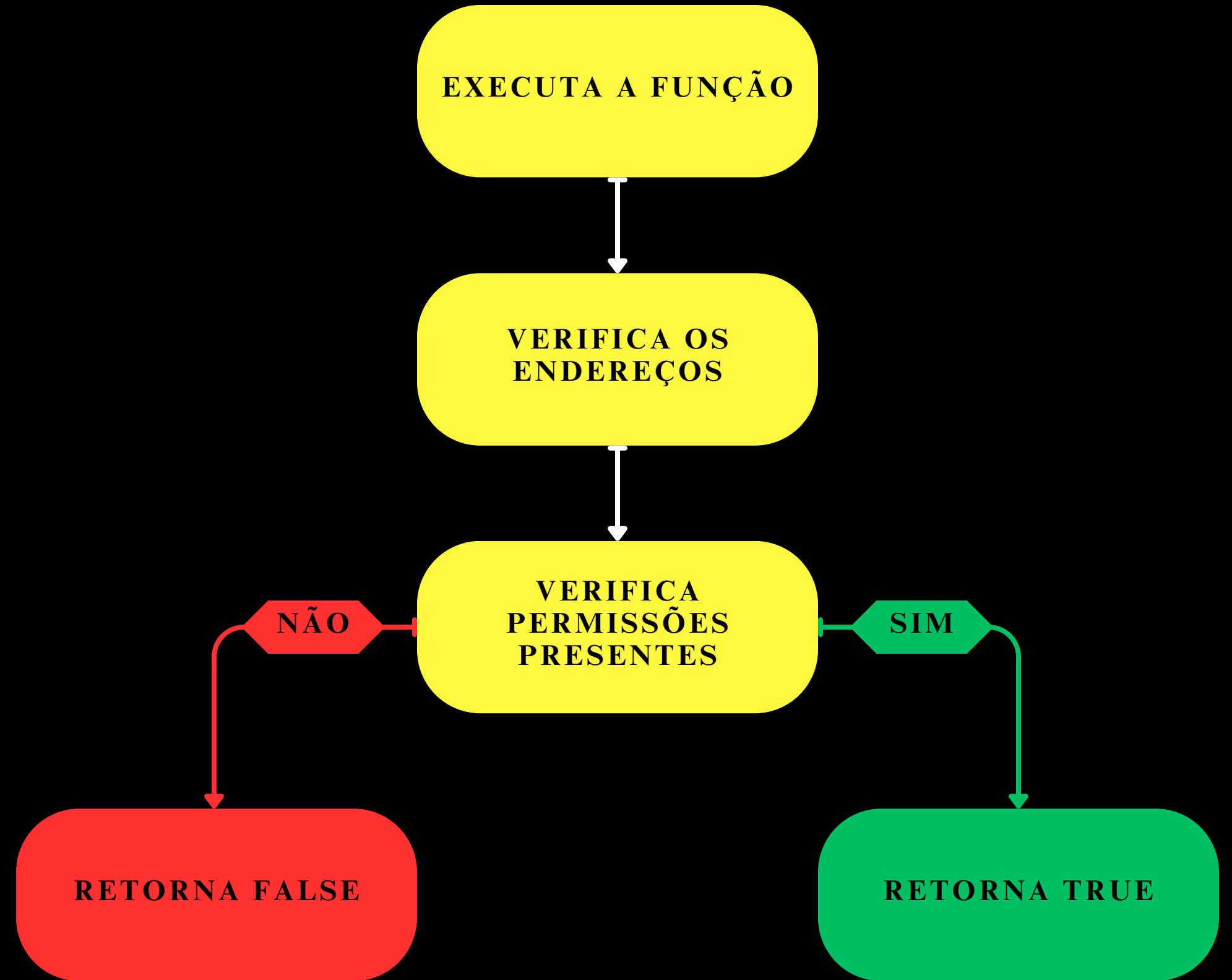
Impressão da Tabela de Partições

```
def print_partition_table(self)
```



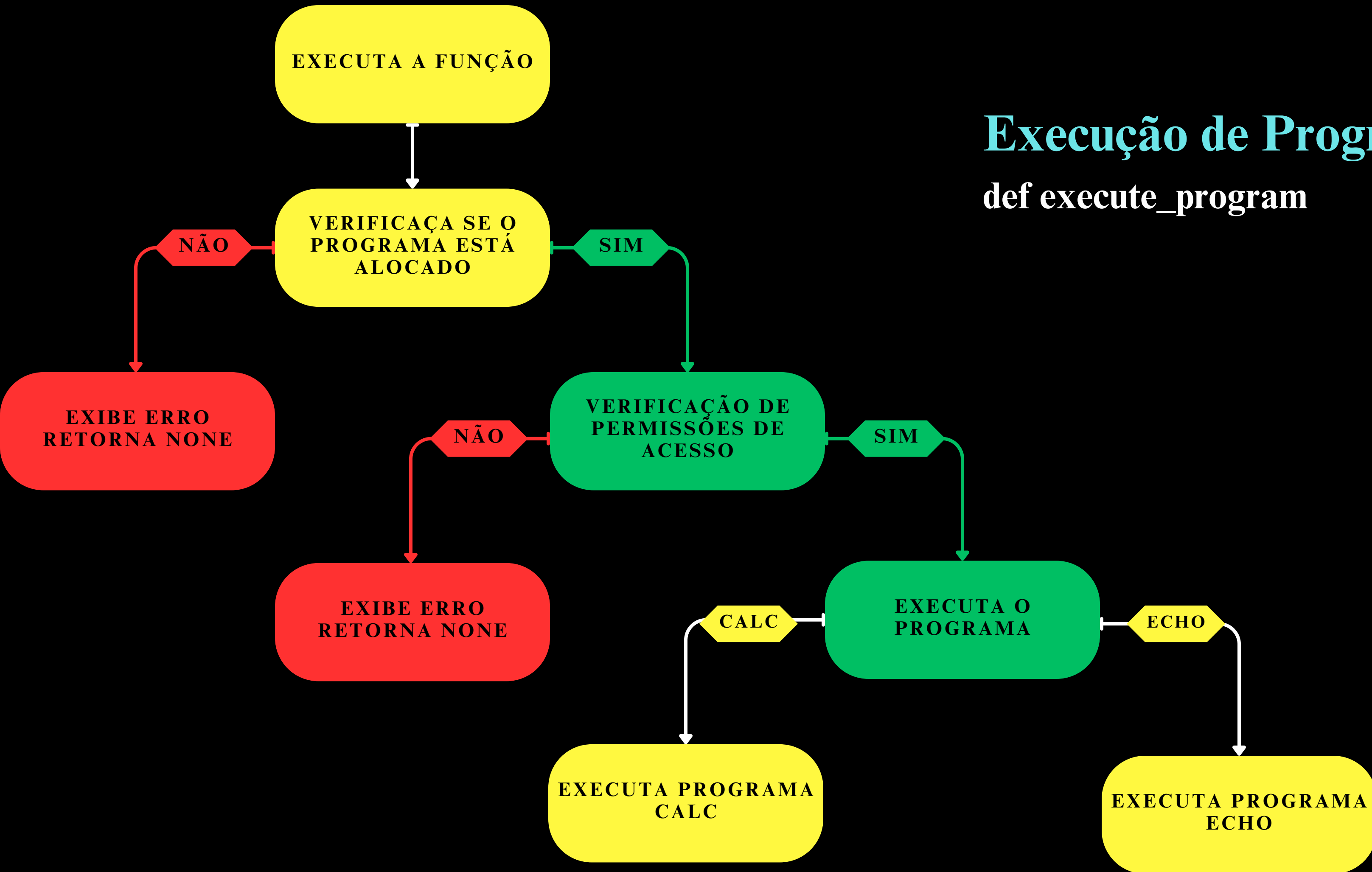
Checagem de Acesso à Memória

```
def check_memory_access
```



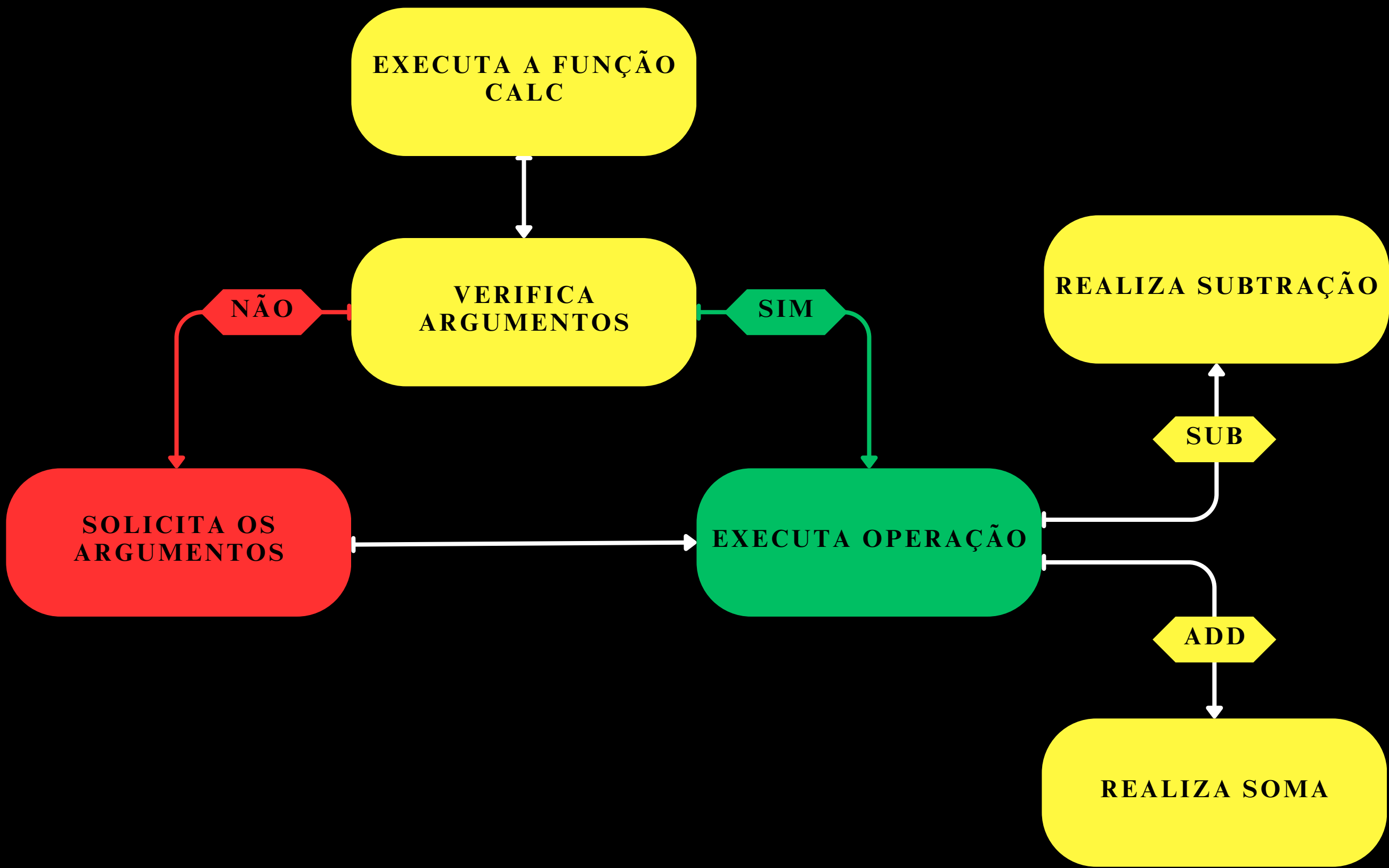
Execução de Programas

```
def execute_program
```



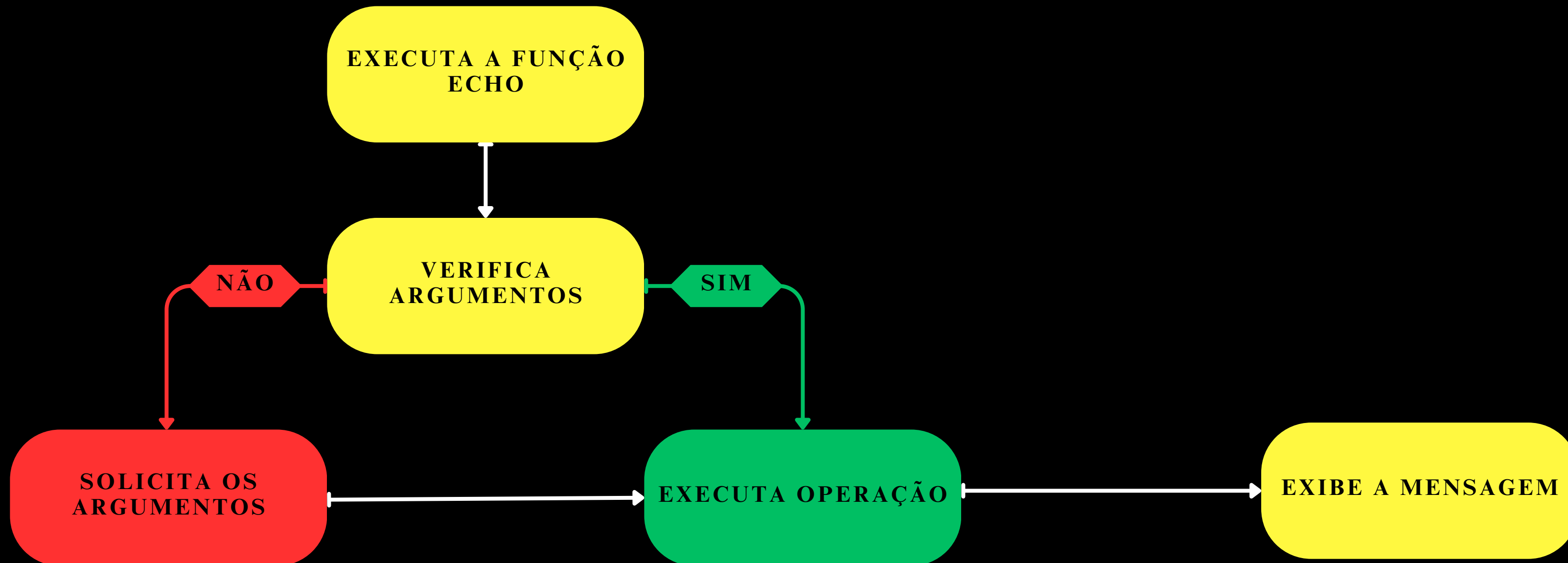
Programas

```
def program_calc(self, *args)
```



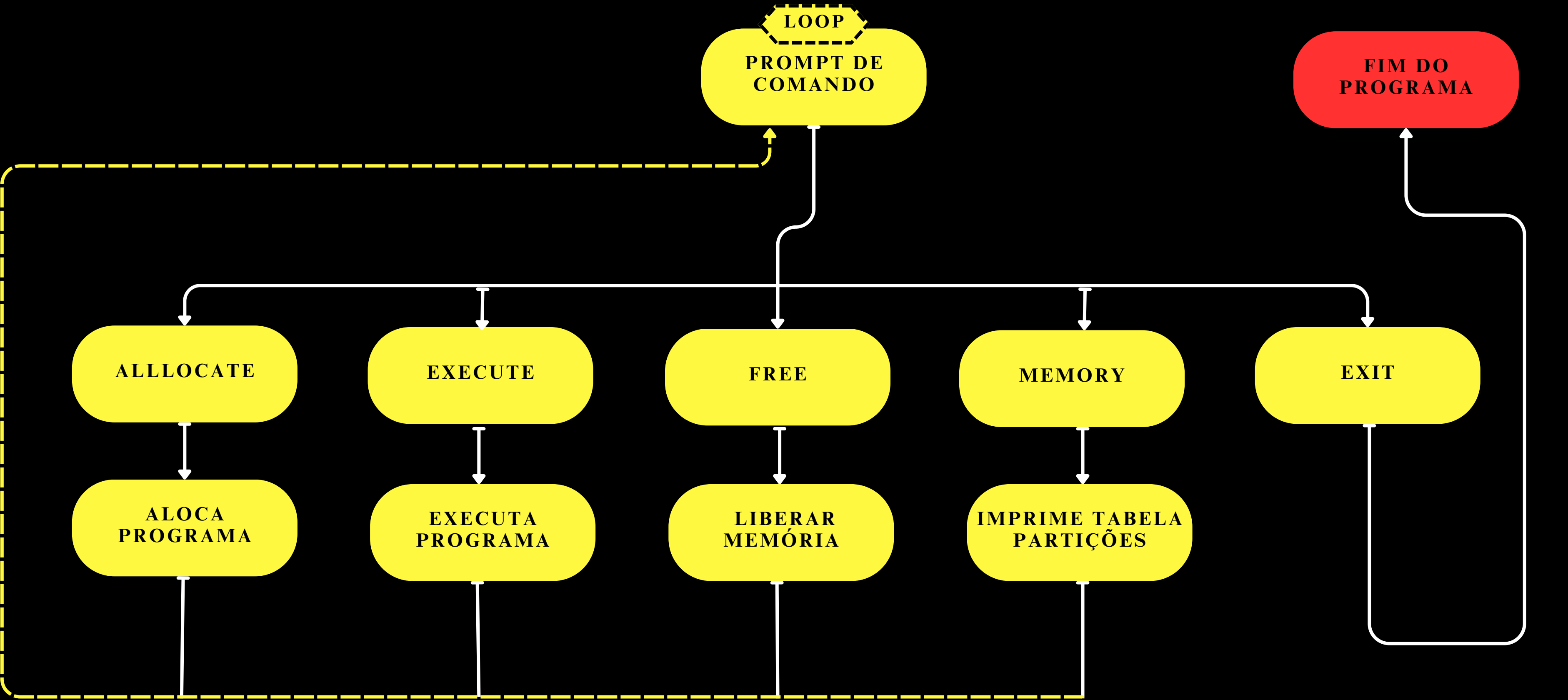
Programas

```
def program_echo(self, *args)
```



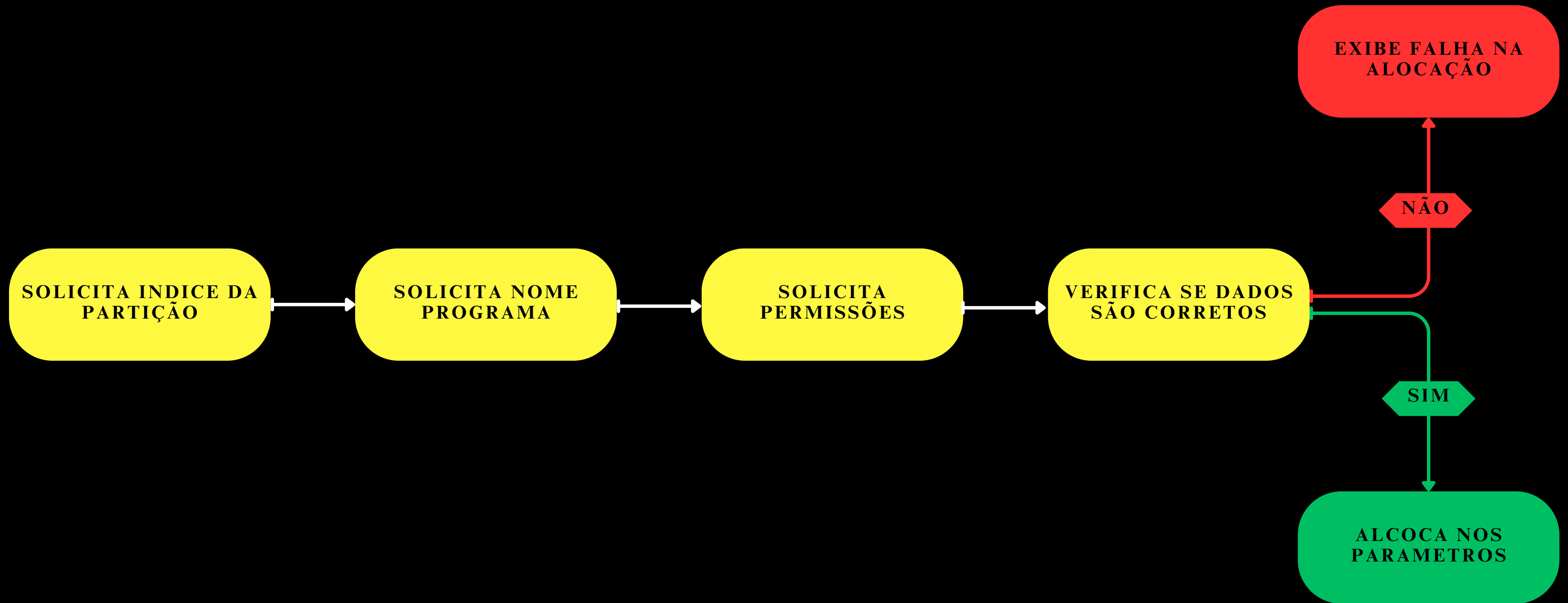
Prompt de Comando

```
def run_command_prompt(self)
```



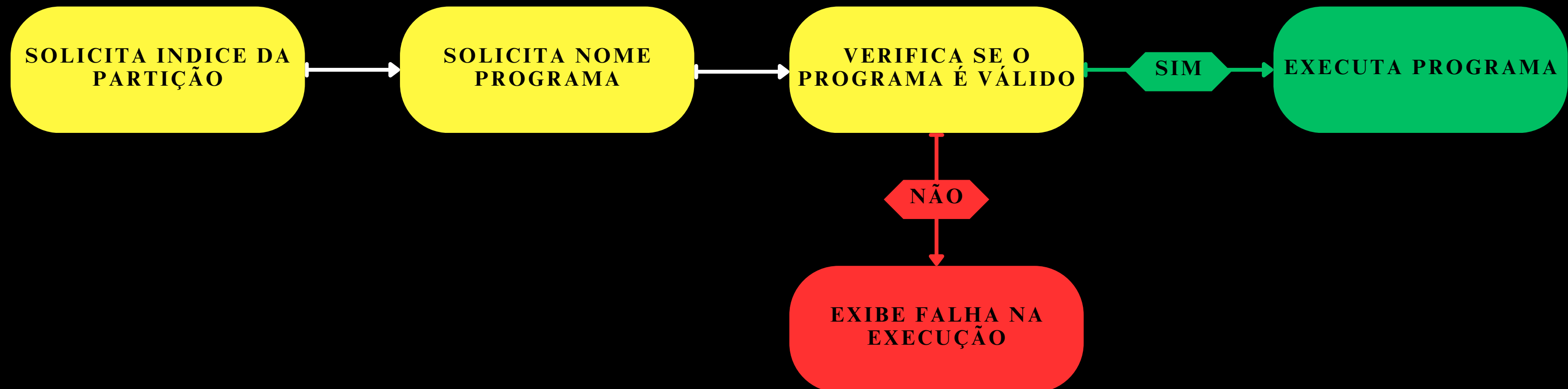
Comando Allocate

```
def run_allocate_command(self)
```



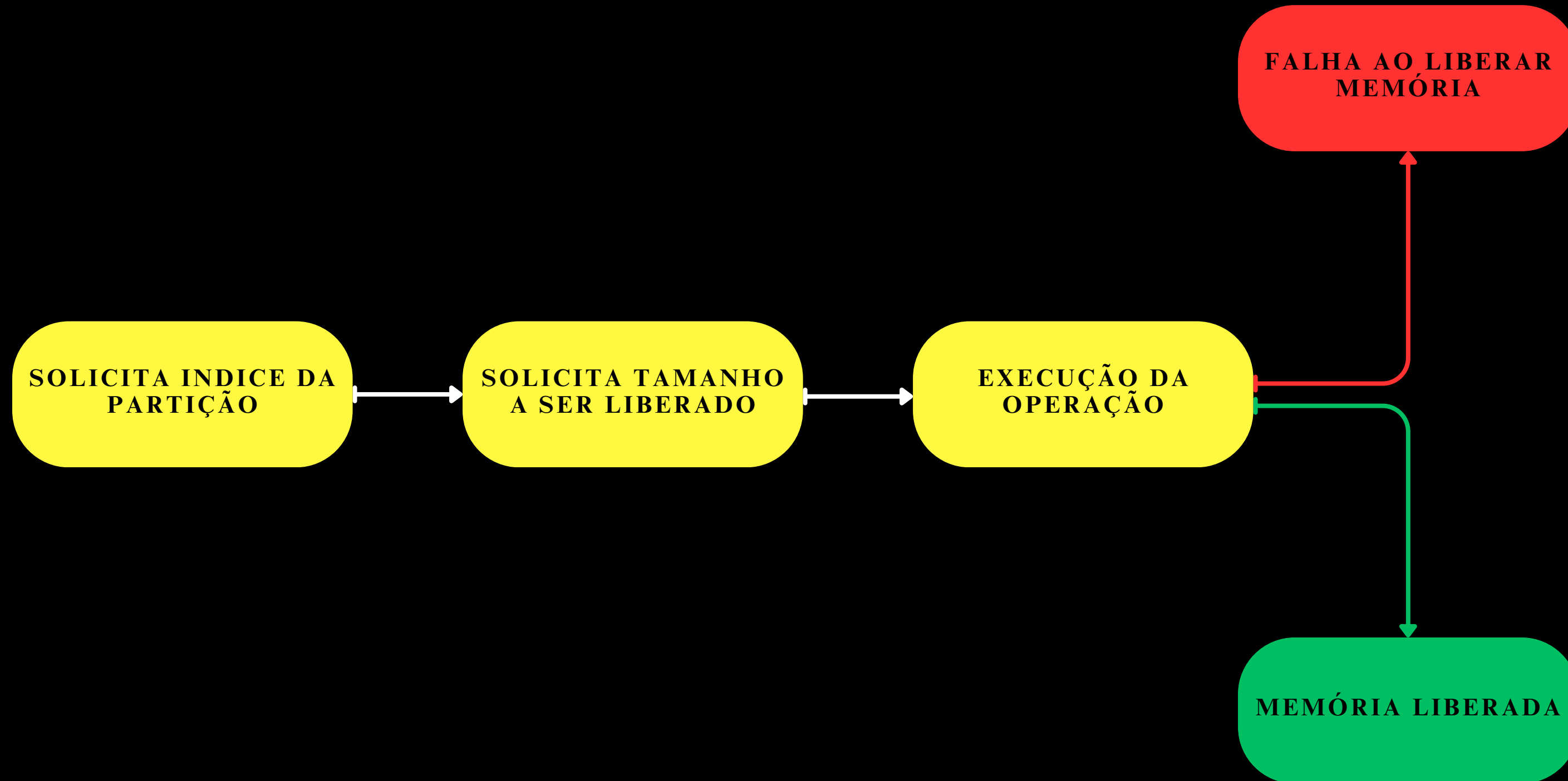
Comando Execute

```
def run_execute_command(self)
```



Comando Free

```
def run_free_command(self)
```



TESTE DE FUNCIONAMENTO

