

Início

```
int e_cpf_pos9, e_cpf_pos8, e_cpf_pos7,  
e_cpf_pos6, e_cpf_pos5, e_cpf_pos4,  
e_cpf_pos3, e_cpf_pos2, e_cpf_pos1;
```

```
int e_cpf_dir2 e_cpf_dir1;  
int dir2 - calc, dir1 - calc;
```

CPF [1 2 3 4 5 6 7 8 9] - dir [1 2]

1º dígito do CPF

2º dígito do CPF

Algoritmo 3º dígito do CPF



Algoritmo 4º dígito do CPF



Algoritmo 5º dígito do CPF

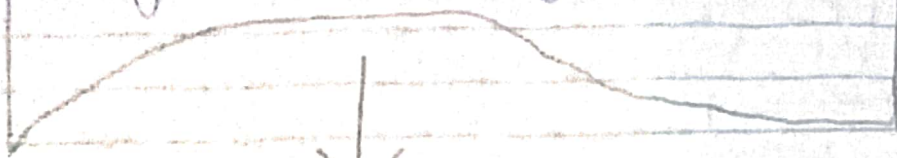


Algoritmo 6º dígito do CPF






1<sup>o</sup> digito e 7<sup>o</sup> digito do CPF




1<sup>o</sup> digito e 8<sup>o</sup> digito do CPF




1<sup>o</sup> digito e 9<sup>o</sup> digito do CPF



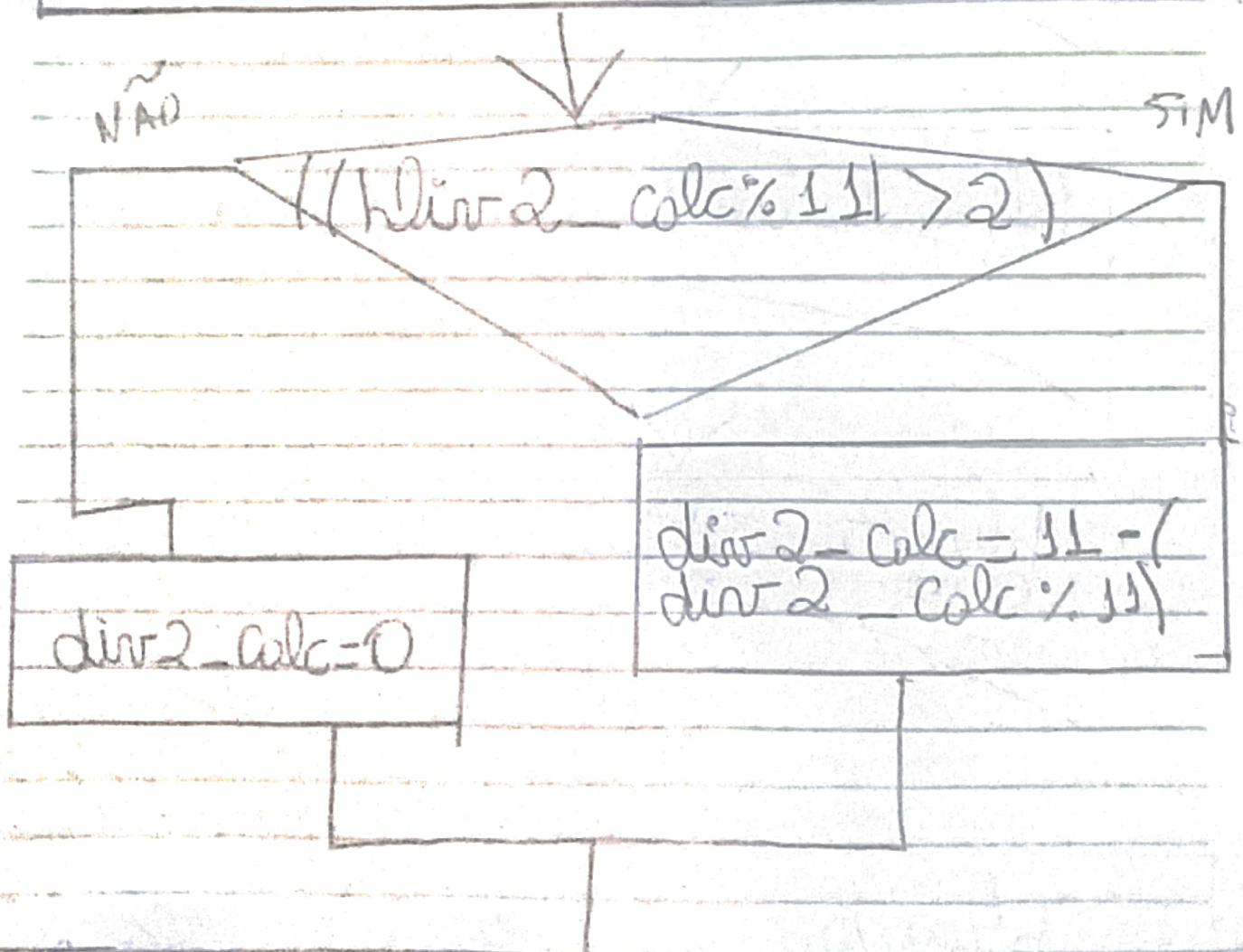
1<sup>o</sup> digito e 1<sup>o</sup> digito do Verificador do CPF



1<sup>o</sup> digito e 2<sup>o</sup> digito do Verificador do CPF



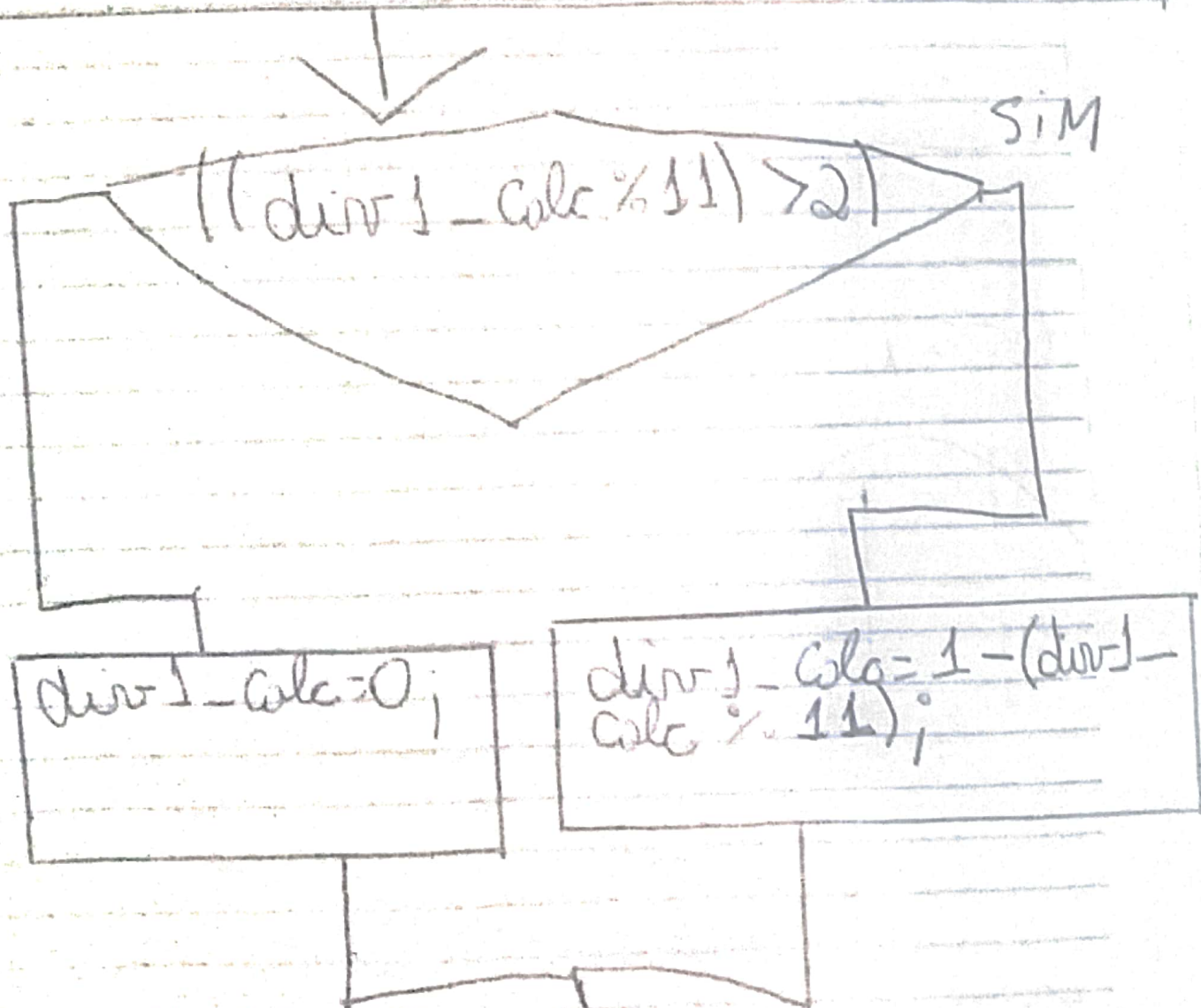
$\text{div}2\_calc = 2\_CPF\_pos9 * 10 +$   
 $CPF\_pos8 * 9 + 2\_CPF\_pos7 * 8;$   
 $\text{div}2\_calc = \text{div}2\_calc + 2\_CPF\_pos6 * 7 + 2\_CPF\_pos5 * 6;$   
 $\text{div}2\_calc = \text{div}2\_calc + 2\_CPF\_pos4 * 5 + 2\_CPF\_pos3 * 4;$   
 $\text{div}2\_calc = \text{div}2\_calc + 2\_CPF\_pos2 * 3 + 2\_CPF\_pos1 * 2;$



$\text{div}1\_calc = 2\_CPF\_pos9 * 11 + 2\_CPF\_pos8 * 10 + 2\_CPF\_pos7 * 9;$   
 $\text{div}1\_calc = \text{div}1\_calc + 2\_CPF\_pos6 * 8 + 2\_CPF\_pos5 * 7;$



$\text{div1\_calc} = \text{div1\_calc} + e\_CPF\_pos4 + e\_CPF\_pos3 * 5;$   
 $\text{div1\_calc} = \text{div1\_calc} + e\_CPF\_pos2 * 4 + e\_CPF\_pos1 * 3;$   
 $\text{div1\_calc} = \text{div1\_calc} + \text{div2\_calc} * 2;$



$((\text{div2\_calc} = e\_CPF\_div2) \& \& (\text{div1\_calc} = e\_CPF\_div1))$

NÃO

$((div-2\_ale == e\_CPF\_div-2) \wedge (div-1\_ale == e\_CPF\_div-1))$

FIM

CPF inválido

CPF Válido

FIM