Programa que verifica valores primos entre duas entradas do usuário

program checkPrimeNumberInBetween;	INPP
	AMEM 1
var head, tail: integer;	AMEM 1
	DSVS R00
procedure displayCalc(num: integer);	R2: ENPR 1
begin	
	CRVL 1, -4
write(num);	IMPR
	RTPR 1, 1
end;	
function isPrime(num: integer; divisor: integer; prime: boolean): boolean;	R3: ENPR 1
var pass: boolean;	AMEM 1
begin	
pass := false;	CRCT 0
	ARMZ 1, 0
	CRVL 1, -6
if(num <> divisor) then	CRVL 1, -5
	CMDG
	DSVF R5
	CRVL 1, -6
	CRVL 1, -6
	CRVL 1, -5
	DIVI
pass := (num - ((num / divisor) * divisor) <> 0);	CRVL 1, -5
	MULT
	SUBT
	CRCT 0
	CMDG
	ARMZ 1, 0
	R5: NADA
	CRVL 1, -5
if(((divisor * divisor) < num)) then	CRVL 1, -5
	MULT
	CRVL 1, -6

	CMME
	NEGA
	DSVF R6
isPrime := isPrime(num, (divisor + 1), pass and prime)	CRVL 1, -4
	CRVL 1, -6
	CRCT 1
	CMMA
	CONJ
	ARMZ 1, -7
	DSVS R7
else	R6: NADA
isPrime := prime and (num > 1);	AMEM 1
	CRVL 1, -6
	CRVL 1, -5
	CRCT 1
	SOMA
	CRVL 1, 0
	CRVL 1, -4
	CONJ
	CHPR R3, 0
	ARMZ 1, -7
	R7: NADA
end;	DMEM 1
	RTPR 1, 3
begin	R00: NADA
read(head, tail);	LEIT
	ARMZ 0, 0
	LEIT
	ARMZ 0, 1
	R8: NADA
while(head < tail) do	CRVL 0, 0
	CRVL 0, 1
	CMME
	DSVF R9
begin	AMEM 1
if(isPrime(head, 2, true)) then	CRVL 0, 0
	CRCT 2

	CRCT 1
	CHPR R3, 0
	DSVF R11
displayCalc(head);	CRVL 0, 0
	CHPR R2, 0
	R11: NADA
	CRVL 0, 0
head := head + 1;	CRCT 1
	SOMA
	ARMZ 0, 0
end;	DSVS R8
	R9: NADA
	DMEM 1
end.	DMEM 1
	PARA

Tabela de símbolos ao fim da compilação

Resolved entry: { id: displayCalc, addr: 2, scope: 1, type: 01void, sys: ROUTINE }
Resolved entry: { id: divisor, addr: -5, scope: 1, type: integer, sys: PF }
Resolved entry: { id: head, addr: 0, scope: 0, type: integer, sys: VS }
Resolved entry: { id: isPrime, addr: 3, scope: 1, type: 03boolean, sys: ROUTINE }
Resolved entry: { id: num, addr: -4, scope: 1, type: integer, sys: PF }
Resolved entry: { id: num, addr: -6, scope: 1, type: integer, sys: PF }
Resolved entry: { id: pass, addr: 0, scope: 1, type: boolean, sys: VS }
Resolved entry: { id: prime, addr: -4, scope: 1, type: boolean, sys: PF }
Resolved entry: { id: tail, addr: 1, scope: 0, type: integer, sys: VS }

id	endereço	escopo	params + tipo	tipo do objeto
displayCalc	R02	1	01void	ROUTINE
divisor	-5	1	integer	PF
head	0	0	integer	VS
isPrime	3	1	03boolean	ROUTINE
num	-4	1	integer	PF
num	-6	1	integer	PF

pass	0	1	boolean	VS
prime	-4	1	boolean	PF
tail	1	0	integer	VS