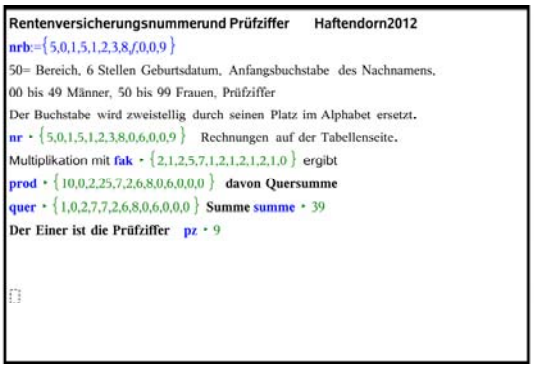
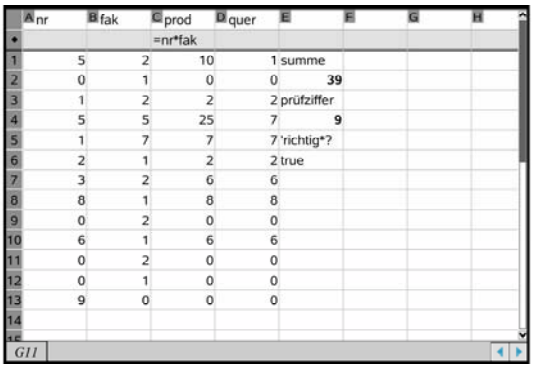
Rentennummer



1.1

Rentennummer

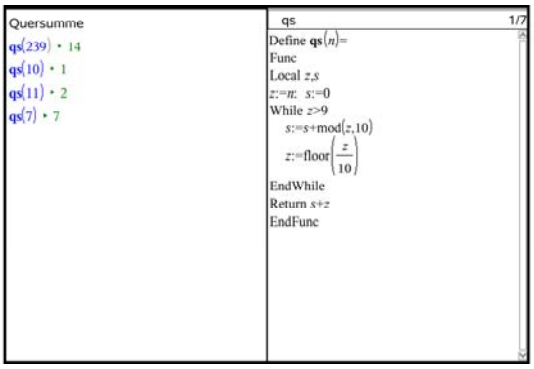


	A nr	B fak	C prod	D quer	E	F	G	H
◆			=nr*fak					
1	5	2	10		1 summe			
2	0	1	0		0	39		
3	1	2	2		2 prüfziffer			
4	5	5	25		7	9		
5	1	7	7		7 'richtig*?			
6	2	1	2		2 true			
7	3	2	6		6			
8	8	1	8		8			
9	0	2	0		0			
10	6	1	6		6			
11	0	2	0		0			
12	0	1	0		0			
13	9	0	0		0			
14								

G11

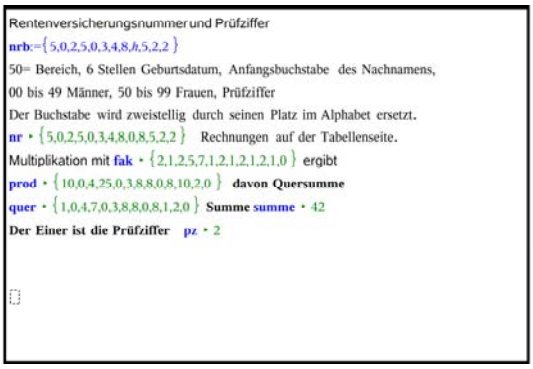
1.2

Rentennummer



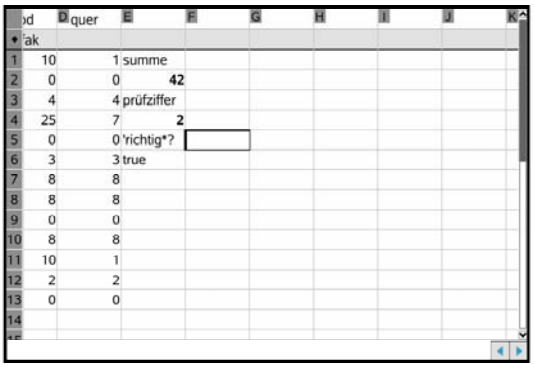
1.3

meine Rentennummer



2.1

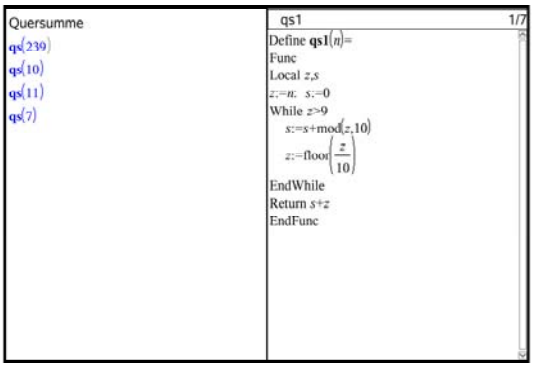
meine Rentennummer



	D quer	E	F	G	H	I	J	K
◆ 'ak								
1	10	1 summe						
2	0	0	42					
3	4	4 prüfziffer						
4	25	7	2					
5	0	0 'richtig*?						
6	3	3 true						
7	8	8						
8	8	8						
9	0	0						
10	8	8						
11	10	1						
12	2	2						
13	0	0						
14								

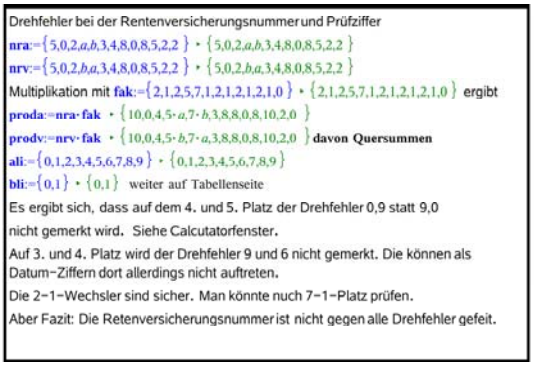
2.2

meine Rentennummer



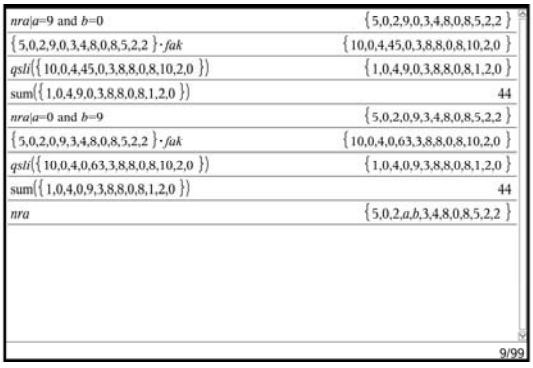
2.3

Drehfehler Rentennummer



3.1

Drehfehler Rentennummer



nra|a=9 and b=0	{5,0,2,9,0,3,4,8,0,8,5,2,2}
{5,0,2,9,0,3,4,8,0,8,5,2,2}·fak	{10,0,4,45,0,3,8,8,0,8,10,2,0}
qsli({10,0,4,45,0,3,8,8,0,8,10,2,0})	{1,0,4,9,0,3,8,8,0,8,1,2,0}
sum({1,0,4,9,0,3,8,8,0,8,1,2,0})	44
nra|a=0 and b=9	{5,0,2,0,9,3,4,8,0,8,5,2,2}
{5,0,2,0,9,3,4,8,0,8,5,2,2}·fak	{10,0,4,0,63,3,8,8,0,8,10,2,0}
qsli({10,0,4,0,63,3,8,8,0,8,10,2,0})	{1,0,4,0,9,3,8,8,0,8,1,2,0}
sum({1,0,4,0,9,3,8,8,0,8,1,2,0})	44
nra	{5,0,2,a,b,3,4,8,0,8,5,2,2}

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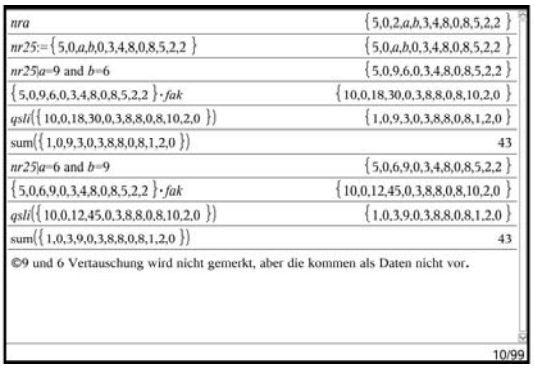
3.2

Drehfehler Rentennummer



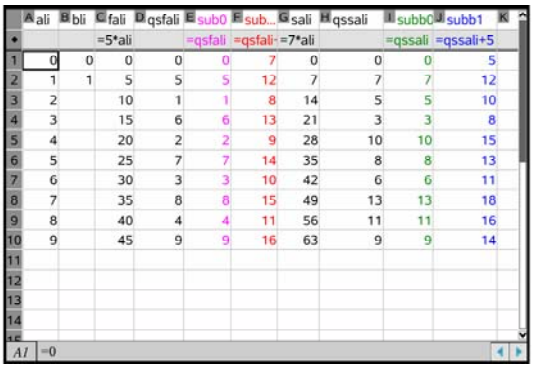
nra	{5,0,2,*a*,*b*,3,4,8,0,8,5,2,2}
nr25:={5,0,*a*,*b*,0,3,4,8,0,8,5,2,2}	{5,0,*a*,*b*,0,3,4,8,0,8,5,2,2}
nr25|*a*=9 and *b*=6	{5,0,9,6,0,3,4,8,0,8,5,2,2}
{5,0,9,6,0,3,4,8,0,8,5,2,2}·*fak*	{10,0,18,30,0,3,8,8,0,8,10,2,0}
qsli({10,0,18,30,0,3,8,8,0,8,10,2,0})	{1,0,9,3,0,3,8,8,0,8,1,2,0}
sum({1,0,9,3,0,3,8,8,0,8,1,2,0})	43
nr25|*a*=6 and *b*=9	{5,0,6,9,0,3,4,8,0,8,5,2,2}
{5,0,6,9,0,3,4,8,0,8,5,2,2}·*fak*	{10,0,12,45,0,3,8,8,0,8,10,2,0}
qsli({10,0,12,45,0,3,8,8,0,8,10,2,0})	{1,0,3,9,0,3,8,8,0,8,1,2,0}
sum({1,0,3,9,0,3,8,8,0,8,1,2,0})	43

©9 und 6 Vertauschung wird nicht gemerkt, aber die kommen als Daten nicht vor.

10/99

3.3

Drehfehler Rentennummer

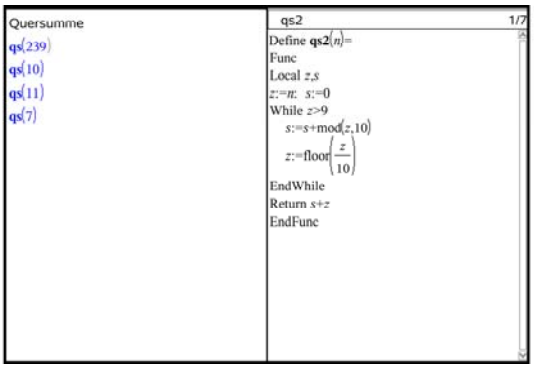


	A ali	B bli	C fali	D qsfali	E sub0	F sub...	G sali	H qssali	I subb0	J subb1
◆			=5*ali		=qsfali	=qsfali-	=7*ali		=qssali	=qssali+5
1	0	0	0	0	0	7	0	0	0	5
2	1	1	5	5	5	12	7	7	7	12
3	2		10	1	1	8	14	5	5	10
4	3		15	6	6	13	21	3	3	8
5	4		20	2	2	9	28	10	10	15
6	5		25	7	7	14	35	8	8	13
7	6		30	3	3	10	42	6	6	11
8	7		35	8	8	15	49	13	13	18
9	8		40	4	4	11	56	11	11	16
10	9		45	9	9	16	63	9	9	14
11										
12										
13										
14										

A1 =0

3.4

Drehfehler Rentennummer



Quersumme

qs(239)

qs(10)

qs(11)

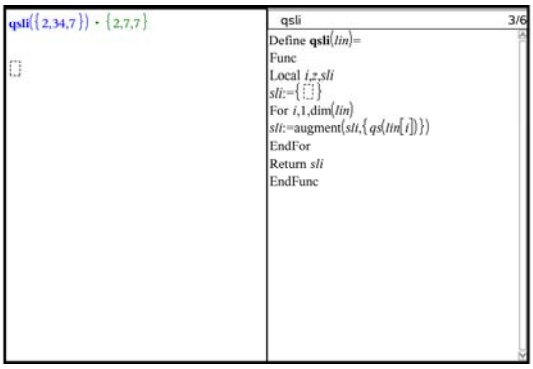
qs(7)

qs2 1/7

Define **qs2**(*n*)=
Func
Local *z*,*s*
z:=*n*: *s*:=0
While *z*>9
  s:=*s*+mod(*z*,10)
  $z:=\text{floor}\left(\frac{z}{10}\right)$
EndWhile
Return *s*+*z*
EndFunc

3.5

Drehfehler Rentennummer



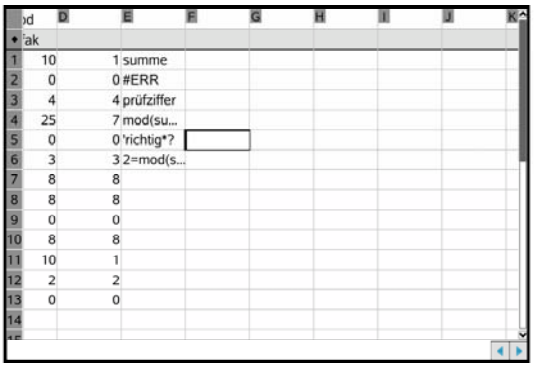
qsli({2,34,7}) · {2,7,7}

qsli 3/6

Define **qsli**(*lin*)=
Func
Local *i*,*z*,*sli*
sli:={}
For *i*,1,dim(*lin*)
sli:=augment(*sli*,{qs(*lin*[*i*])})
EndFor
Return *sli*
EndFunc

3.6

Drehfehler Rentennummer



	D	E	F	G	H	I	J	K
◆	'ak							
1	10	1	summe					
2	0	0	#ERR					
3	4	4	prüfziffer					
4	25	7	mod(su...					
5	0	0	'richtig*?					
6	3	3	2=mod(s...					
7	8	8						
8	8	8						
9	0	0						
10	8	8						
11	10	1						
12	2	2						
13	0	0						
14								

3.7