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Benedikt Rips

Aufgabe 12b

Informatik II: "Datenstrukturen und Algorithmen"
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11.05.2016

Programm	Speicher	Prozedur
i)	i0	if (b=0) then goto .+12
	i1	if (c=0) then goto .+11
	i2	d := b
	i3	e := c
	i4	if (c>=0) then goto .+3
	i5	d := -d
	i6	e := -e
	i7	a := 0
	i8	a := a+d
	i9	c := c-1
	i10	if (c<=0) then goto .+3
	i11	goto .-3
	i12	a := 0
ii)	ii0	a := c
	ii1	if (a>=0) then goto .+2
	ii2	a := -a
iii)	iii0	if (c=0) then goto .+23
	iii1	if (b=0) then goto .+21
	iii2	d := b
	iii3	e := c
	iii4	a := 0
	iii5	f := 0
	iii6	if (b>=0) then goto .+2
	iii7	d := -d
	iii8	f := f+1
	iii9	if (c>=0) then goto .+2
	iii10	e := -e
	iii11	f := f-1
	iii12	if (d>=e) then goto .+2
	iii13	goto .+4
	iii14	d := d-e
	iii15	a := a+1
	iii16	goto .-4
	iii17	if (f=0) then goto .+6
	iii18	a := -a
	iii19	if (d=0) then goto .+5
	iii20	a := a-1
	iii21	goto .+2
	iii22	a := 0
iv)	iv0	if (c=0) then goto end
	iv1	if (b=0) then goto end-1
	iv2	d := b
	iv3	e := c
	iv4	a := 0
	iv5	f := 0

Programm	Speicher	Prozedur
	iv6	if (b>=0) then goto .+2
	iv7	d := -d
	iv8	f := f+1
	iv9	if (c>=0) then goto .+2
	iv10	e := -e
	iv11	f := f-1
	iv12	if (d>=e) then goto .+2
	iv13	goto .+3
	iv14	d := d-e
	iv15	goto .-3
	iv16	if (f=0) then goto .+2
	iv17	d := d-e
	iv18	if (c>=0) then goto .+2
	iv19	d := -d
	iv20	a := d
	iv21	goto .+2
	iv22	a := 0
v)	v0	if (b>=c) then goto .+3
	v1	a := c
	v2	goto .+2
	v3	a := b
vi)	vi0	if (b>=0) then goto .+2
	vi1	goto .+15
	vi2	if (c>=0) then goto .+2
	vi3	goto .+13
	vi4	if (b=0) then goto .+11
	vi5	d := b
	vi6	e := c
	vi7	if (e<=0) then goto .+6
	vi8	if (e>=d) then goto .+3
	vi9	d := d-e
	vi10	goto .-3
	vi11	e := e-d
	vi12	goto .-5
	vi13	a := d
	vi14	goto .+2
	vi15	a := b