

```
10 MODE 2
20 REM      Bezik primer
30 REM      Test brzine
40 DI
50 a=TIME
60 CALL 21000
70 b=TIME-a
80 PRINT "Sekundi "b/300, "prosecno "b/300/199
90 EI
100 END
```

```
10 MODE 2
20 DE=320:HL=200:IX=100:IY=50
30 '
40 '          BASIC
50 '          ELIPSE rutina
60 '
70 DI
80 x=0:y=1
90 a=0.999847695
100 b=0.017452406
110 d=1.99969539
120 xx=b:yy=a
130 MOVE DE,HL+IY
140 FOR x%=0 TO 360
150 DRAW DE+IX*x,HL+IY*y
160 xy=d*xx-x:yx=d*yy-y
170 x=xx:y=yy:xx=xy:yy=yx
180 NEXT
190 EI
200 END
```

Address	Hex	Label	Op	Opnd	Address	Hex	Label	Op	Opnd	Address	Hex	Label	Op	Opnd	Address	Hex	Label	Op	Opnd	
21000	20	org 21000			21138	19		add	hl,de	21264	42		ld	b,d						
21000	30	ent #			21139	CB3C		srl	h	21265	4B		ld	c,e						
21000	40	ld bc,0			21141	CB1D		rr	l	21266	2A6E53		ld	hl,(DDE)						
21003	50	ST: push bc			21143	3EC7		ld	a,199	21269	EB		ex	de,hl						
21004	60	ld de,320			21145	95		sub	l	21270	2A7053		ld	hl,(HHL)						
21007	70	ld hl,200			21146	CD5553		call	A_HL	21273	1B		dec	de						
21010	80	call CIRCLE			21149	227253		ld	(HP),hl	21274	23	END1:	inc	hl						
21013	90	pop bc			21152	2A7053		ld	hl,(HHL)	21275	227053		ld	(HHL),hl						
21014	100	inc bc			21155	EB		ex	de,hl	21278	ED536E53		ld	(DDE),de						
21015	110	ld hl,199			21156	2A7453		ld	hl,(XX)	21282	ED52		sbc	hl,de						
21018	120	or a			21159	19		add	hl,de	21284	DA3852		jp	c,START						
21019	130	sbc hl,bc			21160	EB		ex	de,hl	21287	C9		ret							
21021	140	ret z			21161	CD3353		call	PLOT	21288	44	END:	ld	b,h						
21022	150	add hl,bc			21164	F5		push	af	21289	4D		ld	c,l						
21023	160	jr ST			21165	D5		push	de	21290	2A6E53		ld	hl,(DDE)						
	170				21166	2A7053		ld	hl,(HHL)	21293	EB		ex	de,hl						
	180				21169	EB		ex	de,hl	21294	2A7053		ld	hl,(HHL)						
	190				21170	2A7453		ld	hl,(XX)	21297	18E7		jr	END1						
21025	200	CIRCLE: di			21173	B7		or	a	21299	7B	PLOT:	ld	a,e						
21026	210	ld (XX),de			21174	ED52		sbc	hl,de	21300	E607		and	7						
21030	220	ld (YY),hl			21176	EB		ex	de,hl	21302	ED44		neg							
21033	230	ld d,b			21177	CD3353		call	PLOT	21304	C607		add	a,7						
21034	240	ld e,c			21180	D5		push	de	21306	87		add	a,a						
21035	250	ld hl,0			21181	2A6E53		ld	hl,(DDE)	21307	87		add	a,a						
21038	260	ld bc,0			21184	EB		ex	de,hl	21308	87		add	a,a						
21041	270	ld (HHL),hl			21185	2A7853		ld	hl,(YY)	21309	CB3A		srl	d						
21044	280	ex de,hl			21188	A7		and	a	21311	CB1B		rr	e						
21045	290	ld (DDE),hl			21189	ED52		sbc	hl,de	21313	CB3A		srl	d						
21048	300	START: push bc			21191	CB3C		srl	h	21315	CB1B		rr	e						
21049	310	ld hl,(HHL)			21193	CB1D		rr	l	21317	CB3A		srl	d						
21052	320	ld de,(YY)			21195	3EC7		ld	a,199	21319	CB1B		rr	e						
21055	330	add hl,de			21197	95		sub	l	21321	F6C6		or	211000110						
21057	340	srl h			21198	CD5553		call	A_HL	21323	325353		ld	(BB+1),a						
21059	350	rr l			21201	227253		ld	(HP),hl	21326	2A7253		ld	hl,(HP)						
21061	360	ld a,199			21204	D1		pop	de	21329	19	TT:	add	hl,de						
21063	370	sub l			21205	CD5153		call	TT	21330	CB46	BB:	bit	0,(hl)						
21064	380	call A_HL			21208	D1		pop	de	21332	C9		ret							
21067	390	ld (HP),hl			21209	F1		pop	af	21333	1100C0	A_HL:	ld	de,49152						
21070	400	ST1: ld hl,(DDE)			21210	CD4B53		call	TV	21336	4F		ld	c,a						
21073	410	ex de,hl			21213	C1		pop	bc	21337	E6F8		and	248						
21074	420	ld hl,(XX)			21214	2A6E53		ld	hl,(DDE)	21339	63		ld	h,e						
21077	430	add hl,de			21217	EB		ex	de,hl	21340	6F		ld	l,a						
21078	440	ex de,hl			21218	2A7053		ld	hl,(HHL)	21341	29		add	hl,hl						
21079	450	call PLOT			21221	A7		and	a	21342	EB		ex	de,hl						
21082	460	push af			21222	ED52		sbc	hl,de	21343	19		add	hl,de						
21083	470	push de			21224	23		inc	hl	21344	EB		ex	de,hl						
21084	480	ld hl,(DDE)			21225	29		add	hl,hl	21345	29		add	hl,hl						
21087	490	ex de,hl			21226	09		add	hl,bc	21346	29		add	hl,hl						
21088	500	ld hl,(XX)			21227	EB		ex	de,hl	21347	19		add	hl,de						
21091	510	or a			21228	2A7053		ld	hl,(HHL)	21348	B1		or	c						
21092	520	sbc hl,de			21231	29		add	hl,hl	21349	E607		and	7						
21094	530	ex de,hl			21232	23		inc	hl	21351	87		add	a,a						
21095	540	call PLOT			21233	09		add	hl,bc	21352	87		add	a,a						
21098	550	push de			21234	E5		push	hl	21353	87		add	a,a						
21099	560	ld hl,(HHL)			21235	D5		push	de	21354	84		add	a,h						
21102	570	ex de,hl			21236	CB7C		bit	7,h	21355	67		ld	h,a						
21103	580	ld hl,(YY)			21238	CAFF52		jp	z,DD	21356	79		ld	a,c						
21106	590	and a			21241	7D		ld	a,l	21357	C9		ret							
21107	600	sbc hl,de			21242	2F		cpl		21358	0000	2090	DDE:	defw 0						
21109	610	srl h			21243	6F		ld	l,a	21360	0000	2100	HHL:	defw 0						
21111	620	rr l			21244	7C		ld	a,h	21362	0000	2110	HP:	defw 0						
21113	630	ld a,199			21245	2F		cpl		21364	0000	2120	XX:	defw 0						
21115	640	sub l			21246	67		ld	h,a	21366	0000	2130	YY:	defw 0						
21116	650	call A_HL			21247	CB7A	DD:	bit	7,d											
21119	660	ld (HP),hl			21249	280B		jr	z,HH											
21122	670	pop de			21251	7B		ld	a,e											
21123	680	call TT			21252	2F		cpl												
21126	690	pop de			21253	5F		ld	e,a											
21127	700	pop af			21254	7A		ld	a,d											
21128	710	call TV			21255	2F		cpl												
21131	720	ld hl,(DDE)			21256	57		ld	d,a											
21134	730	ex de,hl			21257	A7	HH:	and	a											
21135	740	ld hl,(YY)			21258	ED52		sbc	hl,de											
					21260	D1		pop	de											
					21261	E1		pop	hl											
					21262	3818		jr	c,END											

Pass 2 errors: 00

A_HL	5355	BB	5352	CIRCLE	5221
DD	52FF	DDE	536E	END	5328
END1	531A	HH	5309	HHL	5370
HP	5372	PLOT	5333	ST	520B
ST1	524E	START	5238	TT	5351
TV	534B	XX	5374	YY	5376

Table used: 192 from 383  
 Executed: 21000