```
V_0 = 52;
      \theta_{c0} = 39;
      \dot{m} = 79;
     y_0 = 2150;
     \omega_{z0} = 0;
     \theta_0 = \theta_{c0};
      t_0 = x_0 = 0;
      tk = 4.73;
      m_0 = 1160;
      J_z = 120;
      1_{dc} = 0.22;
      S_a = 0.15;
      S_m = 0.2289;
      \rho_{oN} = 1.225;
      p_{oN} = 101325;
      T_{oN} = 288.15;
      g_{oN} = 9.80665;
      r = 6356767;
      tab1 = \{\{0.01, 0.30\}, \{0.55, 0.30\}, \{0.8, 0.55\}, \{0.9, 0.70\}, \{1.0, 0.84\},
          \{1.06, 0.86\}, \{1.1, 0.87\}, \{1.2, 0.83\}, \{1.3, 0.80\}, \{1.4, 0.79\},
          \{2.0, 0.65\}, \{2.6, 0.55\}, \{3.4, 0.50\}, \{6.0, 0.45\}, \{10.0, 0.40\}\};
      (*tab1 - таблица аэродинамических коэффициентов Сха(M)*)
      tab2 = \{\{0.01, 0.25\}, \{0.55, 0.25\}, \{0.8, 0.25\}, \{0.9, 0.20\}, \{1.0, 0.30\},
          \{1.06, 0.31\}, \{1.1, 0.25\}, \{1.2, 0.25\}, \{1.3, 0.25\}, \{1.4, 0.25\},
          \{2.0, 0.25\}, \{2.6, 0.25\}, \{3.4, 0.25\}, \{6.0, 0.25\}, \{10.0, 0.25\}\};
      (*tab2 – таблица аэродинамических коэффициентов Cya(M)*)
      (*Таблицы обязательно должны быть записаны по возрастанию числа Maxa*)
      (*Этап 1. Линейная интерполяция аэродинамических коэффициентов*)
      n1 = Count[{tab1}, _Real, Infinity] / 2 (*Количество точек,
          _встречаемость
                         дейст… бесконечность
       заданных таблицей 1 аэродинамических коэффициентов Cxa(M)*);
      n2 = Count[{tab2}, _Real, Infinity] / 2 (*Количество точек,
          встречаемость дейст... бесконечность
       заданных таблицей 2 аэродинамических коэффициентов Cxy(M)*);
```

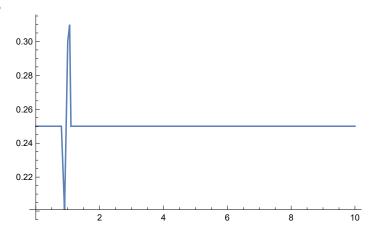
0.5

0.4

```
In[*]:= arg1[M_] :=
         Catch[Do[If [(M \ge tab1[i, 1]) && (M < tab1[i+1, 1]), Throw[i]], {i, 1, n1-1}]]
         _пойм⋯ _ условный оператор
         (*номер промежутка, в который попадает число Маха,
        он же номер точки начала промежутка,
        т.е. в моей программе n-ый промежуток находится между точкой n и n+1*)
        Cxa[M_] := If | (M \ge tab1[1, 1]) && (M < tab1[n1, 1]),
                    условный оператор
          tab1[arg1[M] + 1, 2] - tab1[arg1[M], 2]
tab1[arg1[M] + 1, 1] - tab1[arg1[M], 1] * (M - tab1[arg1[M], 1]) + tab1[arg1[M], 2],
          \frac{\mathsf{tab1}[2,\,2]\!\!] - \mathsf{tab1}[\![1,\,2]\!\!]}{\mathsf{tab1}[\![2,\,1]\!\!] - \mathsf{tab1}[\![1,\,1]\!\!]} * (\mathsf{M-tab1}[\![1,\,1]\!\!]) + \mathsf{tab1}[\![1,\,2]\!\!] \Big] \Big]
 In[*]:= arg2[M_] :=
         Catch[Do[If [(M \ge tab2[i, 1]) \& (M < tab2[i+1, 1]), Throw[i]], {i, 1, n2 - 1}]]
        tab2[arg2[M] + 1, 2] - tab2[arg2[M], 2]
tab2[arg2[M] + 1, 1] - tab2[arg2[M], 1] * (M - tab2[arg2[M], 1]) + tab2[arg2[M], 2],
          условный оператор
            \frac{\mathsf{tab2}[2, 2] - \mathsf{tab2}[1, 2]}{\mathsf{tab2}[2, 1] - \mathsf{tab2}[1, 1]} * (\mathsf{M} - \mathsf{tab2}[1, 1]) + \mathsf{tab2}[1, 2]]]
 In[*]:= Plot[Cxa[M], {M, 0, 10}]
       график функции
Out[0]=
        0.9 ┌
        0.8
        0.7
        0.6
```

In[*]:= Plot[Cya[M], {M, 0, 10}] график функции

Out[0]=



(*Этап 2. Задание математической модели*)

$$In[\circ]:=$$
 $m[t_]:=$ $If[t>tk, m_0-\dot{m}*tk, m_0-\dot{m}*t];$ условный оператор

$$P_0 = 2100 \,\dot{m};$$

$$p\pi[y_{-}] := (1 - 2.26 * 10^{-5} y)^{5.2559};$$

$$H[y_{-}] := (1 - 2.26 * 10^{-5} y)^{4.2559};$$

$$a[y_] := 20.0468 \sqrt{T_{oN} - 0.0065 y};$$

$$g[y_{-}] := g_{oN} \left(\frac{r}{r+v}\right)^{2};$$

$$P[y_{,t_{]}} := If[t > tk, 0, P_{0} + S_{a} * p_{oN} (1 - \pi [y])];$$
 условный оператор

$$M[V_{-}, y_{-}] := \frac{V}{a[V]};$$

$$X_a[V_{,y}] := Cxa[M[V, y]] S_m \frac{\rho_{oN} H[y]}{2} V^2;$$

$$Y_a[V_{-}, y_{-}, \alpha_{-}] := Cya[M[V, y]] S_m \alpha \frac{\rho_{oN} H[y]}{2} V^2;$$

$$\mathsf{M}_{z}\,[\mathsf{V}_{_},\,\mathsf{y}_{_},\,\alpha_{_}] := -\,(\mathsf{Cxa}\,[\mathsf{M}\,[\mathsf{V},\,\mathsf{y}]\,]\,+\,\mathsf{Cya}\,[\mathsf{M}\,[\mathsf{V},\,\mathsf{y}]\,]\,\,\alpha)\,\,\mathsf{S}_{\mathsf{m}}\,\frac{\rho_{\mathsf{oN}}\,\mathsf{H}\,[\mathsf{y}]}{2}\,\,\mathsf{V}^{2}\,\mathbf{1}_{\mathsf{dc}};$$

$$\alpha_0 = \theta_0 - \theta_{c0}$$
;

In[@]:= (*Этап 3. Интегрирование численным методом Эйлера*)

RezTab =
$$\left\{\left\{\text{"N", "t,c", "m,кг", "P,H", "V,м/с",}\right.\right\}$$

"М", "
$$C_{xa}$$
", " α ,град", " θ_c ,град", " C_{ya} ", " $\frac{dV}{dt}$,м/ c^2 ", " ω_z ,1/ c ",

"ө,град", "у,м", "
$$\frac{dy}{dt}$$
,м/с", "х,м", " $\frac{dx}{dt}$,м/с"},

$$\begin{cases} 1, t_0, m[t_0], P[y_0, t_0], V_0, M[V_0, y_0], Cxa[M[V_0, y_0]], \alpha_0, \theta_{co}, Cya[M[V_0, y_0]], \\ \frac{P[y_0, t_0] * CoS\left[\alpha_0 * \frac{Pi}{180}\right] - X_0[V_0, y_0]}{m[t_0]} - g[y_0] * Sin\left[\theta_{co} * \frac{Pi}{180}\right], \\ \omega_{zo}, \theta_0, y_0, V_0 Sin\left[\theta_{co} * \frac{Pi}{180}\right], X_0, V_0 CoS\left[\theta_{co} * \frac{Pi}{180}\right] \}; \\ \text{tkpass} = False; \\ DOMOS, \\ \Delta t1 = \Delta t; \\ n = 1; \\ x_c \in x_0; \\ y_c = y_0; \\ t_c = t_0; \\ \theta_{cc} = \theta_0 * \frac{Pi}{180}; \\ \theta_{cc} = \theta_0 * \frac{Pi}{180}; \\ While \left[y_c > \theta, \left[\frac{W_0}{W_0} \right] + \frac{W_0}{W_0} \right] \\ While \left[y_c > \theta, \left[\frac{W_0}{W_0} \right] + \frac{W_0}{W_0} \right] \\ W_1 = y_c + V_c Sin\left[\theta_{cc}\right] \Delta t1; \\ DOMOS \\ W_2 = V_0; \\ W_1 = V_c + \left(\frac{P[y_c, t_c] Cos\left[\alpha_c\right] - X_0[V_c, y_c]}{m[t_c]} - g[y_c] Sin\left[\theta_{cc}\right] \Delta t1; \\ G_{MHy} = \theta_{cc} + \frac{M_2[V_c, y_c, \alpha_c]}{M} = \alpha_c \Delta t1; \\ \theta_{cn} = \theta_{cc} + \left(\frac{P[y_c, t_c] Sin\left[\alpha_c\right] - Y_0[V_c, y_c, \alpha_c]}{m[t_c] + V_c} - \frac{g[y_c] Cos\left[\theta_{cc}\right]}{V_c} \right) \Delta t1; \\ \alpha_1 = \theta_1 - \theta_{cu}; \\ t_c = t_n; \\ x_c = x_n; \\ y_c = y_n; \\ \theta_c = \theta_n; \\ V_c = V_n; \\ W_c = \theta_n; \\ V_c = \theta_n; \\$$

остаток от деления

условный опера… остаток от деления

$$\omega_{\text{zh}}$$
, $\Theta_{\text{H}} * \frac{180}{\text{Pi}}$, y_{H} , $V_{\text{H}} \text{Sin}[\Theta_{\text{ch}}]$, x_{H} , $V_{\text{H}} \text{Cos}[\Theta_{\text{ch}}]$ };

Clear[RezTab]

очистить

Eiler[0.001]

Grid[RezTab, Frame → All]

таблица рамка всё

Out[0]=

N	t,c	т,кг	P,H	V,M/	М	C _{xa}	α,Γ.	$\theta_{\rm c}$, Γ	C _{ya}	$\frac{dV}{dt}$, M	ω_{z} ,1	٠٦, Θ	у,м	$\frac{dy}{dt}$, M	X,M	$\frac{dx}{dt}$, M
				С			p\			ατ /	/ c	p\		ατ / c		ατ /
							a⊹	a ∖		c ²		a⊹				С
							Д	Д				Д				
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	0	1160	16:	52	0.1%	0.3	0	39	0.25	139:	0	39	2150	52	0	52
			9 :		56 %					.7%				Sin		Cos
			40		655					88				[[
			1.											((
														13		13
														π		π
))
														/ 60		/ 60
]		1
2	0.1	115 \	16:	66 .	0.1%	0.3	0.6%	38.	0 25	140:	- 0 ·.	38.	215:	40.	1 6	51.\
_	0.1	2.1		03		0.3	62:		0.23	.8		l				79 ·
		2.1	40	05	932		02	77		24	0.	97	68	85	89	23
			6.		752		-				0.					
											0:					
											1.					
											4 :					
											5 %					
											4 :					
											1\					
											9					

3	0.2	114:	16:	80.:	0.2%	0.3	1.0	37.	0.25	141:	- 0 ·.	38.:	215:	49.	10.:	63.:
	V.2	4.2		16		0.5	88	90	0.23	.8				25	34	24
			41:	26	521		47	91		23	0:	76	19	28	95	72
			3.								Ø÷.					
											0:					
											6 ∖					
											7 %					
											6 ∖.					
											7 %					
											0⊹					
											4					
4	0.3	113:			0.2%	0.3	1.3	37.5	0.25	142	- 0 ∵			57.		
		6.3		39 %	84		80%	61		.8	• \	991	3.	607	24 %	77%
			42	37	416		99			08	0⊹		52		43	71
			1.								0⊹					
											1.					
											7%					
											3 \					
											1:					
											4 · 6					
5	0.4	112:	16:	100.	0.3%	0.3	1.5	37.	0 25	143:	-0:	2Q ·	216:	66.	25 .	96 ·
	0.4	8.4	9 %	.7\	27:	0.5	87	38	0.23	.7\			9.7	01	29:	38
		0.4	43	23	615		14	95		86	0.	66	3.7	98	59	33
			0.		025						0:					
											3 %					
											4:					
											4 .					
											2 %					
											7 %					
											1					
6	0.5	112:	16:	123 \	0.3%	0.3	1.7%	37.	0.25	144:	- 0 ·.	38.	217%	74.	34.	98.
		0.5	9 :	.15	71%		30⊹	21%		.7%	• %	95≒	6.	48	51 %	06≒
			44 :		119		93	93		62	0⊹	02	72	93	19	75
			0.								0⊹					
											5∖.					
											9≒					
											3 \					
											3 ∖					
											5 \					
											3					

7	0.6	111\	16.	137 %	0.4	0.3	1.8	37.	0 25	145	– 0 ·.	38.	210	83.	11 ·	109%
,	0.0	2.6	9 :	.6	14	0.3	24	08:	0.23	.7:	- 0 :	90	4.	01	90	.85
		2.0	45	74	928		66	24		38	0.	71	59	26	04	32
			1.	'-	320		00	2-7		30	0.	, -		20	0-	32
			_,								9.					
											3 \					
											0:					
											9:					
											3 %					
											3					
8	0.7	110:	16:	152	0.4	0.3	1.8	36.	0.25	146:	– 0 ·.	38.	219:	91.	56.	121:
		4.7	9 .	.2 %	59%		74 :	96%		.7%	• 1	84	3.	58%	46:	.6
			46	97	044		29	76		16	0 %	19	32	56	94	81
			4.								1.					
											3 ∖					
											6 ∖					
											4 :					
											7 %					
											6					
9	0.8	109%	16 %	167 %	0.5%	0.3	1.8	36.	0.25	147 %	- 0 ·.	38.	220%	100 %	69.	133
		6.8	9 :	.0	03 ·.		82 %	86%		.6	• 1	74 %	2.9	.2%	22%	.6∖
			47 %	17	47		11	69		97	0 :	91		03	77	19
			8.								1.					
											8 %					
											9⊹					
											8 %					
											5 %					
											1					
10	0.9	108		181:		0.3	1.8	36.	0.25	148	- 0 ÷.			108%		145
		8.9	9 :	.8	48 %		48 :	77%		.6	• `	62 %	3.	.8	18:	.65
			49 :	35	208		36	45		81	0 %	28	35	59	42	
			3.								2 %					
											5 %					
											3 %					
											0·.					
											2 %					
		_		_		_		_			8					
11	1.	108			0.5				0.25		- 0 ·.	l		117 ·		
		1.	9 :	.7%		43 :	71%	68 %		.4	. \		4.			
			50%	44	236	236	45	55		95	0 %	69	67	39	86	74
			9.								3 %					
											2 %					
											9 %					
											9 .					
											9 ·.					
											5					

12	1.1	107%	16 %	211:	0.6%	0.3%	1.6	36.	0.25	150%	- Ø ·.	38.	223 %	126 %	114	169%
		3.1	9 %	.7%	38 %	88 %	45 %	596		.2 %	• %	24 :	6.	.2	.73	.9∶
			52%	31	519	519	55			47	0⊹	15	85	28		91
			7.								4 :					
											2 %					
											5 %					
											9 ∖.					
											4					
13	1.2	106:	16 ∵	226:	0.6	0.4	1.4	36.	0.25	1 50 %	- Ø ·.	37.	224 :	134:	132:	182 %
		5.2	9 :	.7%	84	34 .	64 .	50%		•9⊹	• \	96≒	9.9	.9∖	.3\	.3:
			54	91	039	039	05	22		34	0 :	62		07	38	02
			6.								5 %					
											3 ∖.					
											8 %					
											4 :					
											7 %					
											2					
14	1.3	105%	16:	241:	0.7%	0.4	1.2	36.	0.25	151 %	− 0 ÷.	37.	226:	143:	151:	194
		7.3	9 %	.9%	29 %	79 ≒	22 %	40		.5	• \	62 %	3.	.5	.1\	.7%
			56≒	15	778	778	52	06		47	0 %	32	82	59	81	14
			6.								6⊹					
											6⊹					
											1.					
											2 %					
											3					
15	1.4	104:	16 ∵	257:	0.7%	0.5%	0.9%	36.	0.25	152 %	- 0 ·.	37.	227 %	152 %	171:	207:
		9.4	9 :	.0%	75 %	25 %	21 %	28 %		.0%	• \	20%	8.6	.1\	.2%	.2%
			58%	97	712	712	177	82		76	0 %	94		62	72	33
			7.								7%					
											8 %					
											2 %					
											7 %					
											4 :					
											5					
16	1.5	104	16 :	272 %	0.8	0.5%	0.5%	36.	0.2%	152	- 0 ∵.	36.	229 %	160 %	192 :	219%
		1.5	9 :	.3%	21 %	82 %	67∶	16:	39≒	.4	• \	73 %	4.	.6	.6∵	.86
			61:	25	811	716	708	26	095	23	0 %	03	24	93	19	
			0.								8 %					
											8 %					
											6 ∖.					
											2 %					
											0 %					
											2					
		•	•	•	•						•	•			•	

17	1.6	103:	16.	287.	α Q.	0.6	0.1	36.	0.2%	152.	– 0 ·.	36 .	231	160.	215.	232 %
1/	1.0	3.6	9 :	.5%	67:	51	79	02 ·	16	.5	- 0 ·			.1	.2\	.5
		3.0	63	74	999	999	468	23	10	34	0.	18	73	22	34	86
			4.	, ,		,,,,,	100	23]]-	9.	10	']]	00
											5 \					
											0.					
											4:					
											0 %					
											5					
18	1.7	102:	16:	302:	0.9%	0.7%	- 0 ·.	35.\	0.2%	152 :	- 0 ·.	35.	232 %	177 ·	239:	245 :
		5.7	9 :	.8	14	1 9%	. \	86%	14	.4	• 1			.43	.1\	.4
			65 %	26	225	915	2 %	75	225	95	0:	46	05		27	03
			8.				1.				9:					
							2 %				4:					
							8 %				5 %					
							8 %				5 %					
							6				7%					
											9					
19	1.8	101:	16 %	318%	0.9%	0.7%	- 0 ·.	35.	0.2%	152%	- 0 ·.	35.	234	185%	264:	258%
		7.8	9 %	.0%	60 :	84 .	. \	70:	60 :	.3%	• %	13 %	6.2	.6	.3%	.2 %
			68⊹	68	448	627	5 \	01	448	19	0⊹	66		06	05	98
			4.				6⊹				8 %					
							3 %				4 .					
							4 :				3 ∖					
							4 :				1.					
							4				9 ∖.					
											8					
20	1.9	100 %	16:	333 %	1.0%	0.8%	– 0 ·.	35.	0.3%	152:	- 0 ·.	34.	236 %	193:	290:	271:
		9.9	9 %	.2 %	06≒	42 %	• \	52:	01:	.0	• %	70 %	5.	.6	.7 %	.2 %
			71:	85	62	208	8⊹	47	104	57	0⊹	92	16	57	75	49
			2.				1\				6∵					
							5 \ -				2 %					
							5 \				7%					
							1.				9 %					
							5				3 \					
		10-									5					
21	2.	100:				0.8%		35.\		l			238 %			
		2.	9 %	.4			. \	348	08%		. \			.62	.5%	.2:
			74%	98	82	607	9:		803	98	0·.	32	92		43	54
			0.				1.				3 ∖ 2 ·					
							4				2:					
							8 \ 0 \				1 · 4 ·					
							9				0					
							9				4					
1 1		l	l	l	l		l			l	l '	l	l	l	l	

22	2.1	994:	16:	363	1.0%	0.8%	- 0 ·.	35.	0.2%	152	0.0	34.	240:	209:	347:	297:
		.1	9 :	.7%	99:	69:		17:	51	.3%	02:	34		.5	.6	.2
			76⊹	24	09	772	8.	77	368	21	13 \	61	48	47	14	97
			9.				3 ∖.				423					
							1.									
							5 \									
							7 %									
							1									
23	2.2	986:	16 %	378 %	1.1	0.8%	- 0 ·.	35.	0.25	152	0.0	34.	242:	217 %	377 %	310 %
		.2	9 :	.9 %	45 %	51	• 1	02÷		.8	32 %	44	6.	.4	.99	.3\
			79≒	83	49	805	5 \	15		63	03⊹	75	83	92		63
			9.				7 %				84					
							4 :									
							0:									
							8 %									
				25:			9									265
24	2.3	978:	16:			0.8%		34.	0.25		0.0				409:	
		.3	9 :	.2 %	92 %	33 \	• \	88%		.4	49:	68:	8.	.5\	.6	.4
			83 %	97	09	164	1.	52		24	41 %	78	97	12	74	41
			1.				9∖ 7∖				77					
							4.									
							0									
							3									
25	2.4	970:	16:	409:	1.2	0.8%	0.2%	34.	0.25	153%	0.0%	34.	247:	233 %	442:	336 :
	-	.4	9 :	.6	38 .	18	08:	77%		.9	49 :	97 :	1.	.6	.6	.5
			86%	64	89	333	403	07		19	07 ·	91	92	29	65	15
			3.								23					
26	2.5	962:	16:	425	1.2	0.8%	0.5%	34.	0.25	154%	0.0	35.	249 :	241:	476 ·	349
		.5	9 :	.08	85%	04 .	38%	67 %		.4	29 %	21:	5.\	.8%	.9%	.5
			89 %		87	238	829	57			99 :	46	69	41	63	79
			7.								75					
27	2.6	954 :	16 %	440 %	1.3%	0.7%	0.7%	34.	0.25	154	- 0 ·.	35.	252 %	250%	512%	362 %
		.6	9 :	.5%	33 %	96≒	02 ·.	59≒		.7%	• \	29 %	0.	.1\	.5%	.6%
			93 :	39	03	697	26	43		44	0 %	65	29	21	68	49
			2.								0 %					
											3 %					
											5 \					
											1.					
											7%					
											3 .					
											4					

28	2.7	946:	16:	156.	1 2.	0.7%	0.6%	34.	0.25	155.	- 0 ·.	35 ·	254 :	258%	5/10:	375 %
20	2.7	.7	9 :	.0	80%	91	48	51	0.23	.0	- Ø :	166		.4	.4	.7:
		.,	96	27	32	968	119	79		18	0	100	71	14	81	43
			7.		32	300	117	,,,		10	4		, -		01	7.5
			' '								2 \					
											3 \					
											1.					
											8.					
											5					
29	2.8	938:	17:	471:	1.4	0.7%	0.3:	34.	0.25	155:	- 0 ·.	34.	257:	266 %	587 %	388 :
	_,,	.8	0 :	.5	27:	l	89:	43:	0.125	.3\		82:	1.	.6	.7:	.9
			00·	45	73	529	233	82		76	0	74	96	66	06	
			4.								7%					
											3 %					
											9 :					
											0 %					
											5 %					
											1					
30	2.9	930 :	17%	487 :	1.4	0.7%	0.0%	34.	0.25	1 55%	- 0 ∵	34.	259 %	274:	627:	402 :
		.9	0 %	.1%	75 %	72%	07 ·.	349		.8	. \	35 ∖.	9.	.84	.2%	.16
			04 ·	03	32	425	84			02	0:	69	03		51	
			2.				525				8 %					
											6 ∖					
											5 %					
											8 %					
											9∖.					
											9					
31	3.	923.	17:	502 %	1.5%	0.7%	- 0 ∵	34.	0.25	156	- 0 ∵	33.	262 %	282 %	668 :	415
			Ø ·.	.7%	23 %	61:	• \	24		.23	• \	88%	6.	.9∖	.1\	.5%
			08≒	05	98	281	3 ∖.	88			0 ∖	29	92	16	28	36
			1.				6≒				7 %					
							5 \				4 ∖					
							8%				5 \ _					
							5 \				7%					
							2				0%					
	_										2					
32	3.1	915				0.7%		34.	0.25			33.				
		.1	0 :				• \			.6			5.6	.91		.0:
			12:	49	02	095	5 \	06		67	0.	32			49	19
			1.				9 ·.				4 %					
							7:				0 ·.					
							3 %				8.					
							9 ·. 6				2 %					
							ь				1:					
				l							2					

39	3.8	859%	17 %	629:	1.9	0.6	0.1	33.	0.25	160 :	- 0 ·.	33.	287:	347:	104:	524:
		.8	0 :	.2	12:	70:	80:	57 :		.2			9.	.9	3.	.2
			42 %	19	18	491	182	29		89	0:	31		57	89	55
			7.								7%					
											5 %					
											9⊹.					
											5 ∖.					
											0:					
											3					
40	3.9	851:	17:		1.9		- 0 ·.	33.	0.25		- Ø ·.	33.	291		109:	538:
		.9	0 :	.2%	61:	58%	• \	49 %		.9:	• \		4.2	.1	7.	.0%
			47 %	79	82	909	1.	93		15	0 ·.	35		47		93
			5.				9 ∖. 5 ∖.				7 \ 5 \					
							7 ·				2 ·					
							8				4:					
							9				2 \					
											5					
41	4.	844.	17:	661:	2.0:	0.6%	- 0 ·.	33.	0.25	161:	- 0 ·.	32.\	295:	364:	115:	552:
			0 :	.4	11\	48	• ٨	41:		.5%	• \	95 %	0.	.2	1.5	.0
			52 %	02	71	048	4 :	77		31	Ø÷.	13	22	59		58
			3.				6 ∵				4 .					
							6 ∖.				2 %					
							3 ∖				9⊹.					
							3 ∖.				7%					
							9				1.					
											7					
42	4.1	836:	17:		2.0		- 0 ·.	33.	0.25	162:	0.0		298 :	372 %	120:	
		.1	0 :	.58	61	39 \	. \	33 \		.0	05 ·	84	7.\	.3\	7.4	.1:
			57 · 3.		84	694	4 · 9 ·	34		42	31 · 021		05	37		09
			٥.				3 ·				021					
							4:									
							0.									
							3									
43	4.2	828 %	17 %	693:	2.1%	0.6%	- 0 ·.	33. %	0.25	162:	0.0%	32.	302 %	380 %	126:	580%
		.2	0 %	.8	12:	31.	• ٨	254		.5\	44	99%		.4	4.	.1\
			62 %	11	19	302	2 %			83	58%	23	68	52	71	98
			3.				6 ∖				29					
							1.									
							6 ∖									
							9 :									
							9							20-		
44	4.3	820 :				0.6			0.25	163			306 :			
		.3	0 :	.0%	62 ·		04:	18:		.1						
			67 ·.	97	77	871	813	48		44	02:	96	13	65	43	87
1 1			4.								07					

45	4.4	812:	17:	726:	2 2:	0.6:	a 4:	33.	a 25	163:	a a:	33.\	310:	396:	138:	608:
45	7.7	.4	0 :	.44	136		02	12:	0.23	.7		529	2.			.3%
			72:			399	535	65		27	83 .	323	41	91	55	69
			6.								45					0.2
46	4.5	804:	17 \	742 :	2 2:	0.6	0.4	33. \	a 25	164	- 0 ·.	33.\	314 :	405 :	144:	622%
40	7.5	.5	0 :	.8	64	05	60	07 ·	0.23	.3		_	2.	.3\		.4
		••	77%	43	69	885	389	45		43	0	49	53	91	09	74
			9.	'			303	.5		'	2 %	'				, .
											4:					
											5 .					
											8 %					
											4:					
											6					
47	4.6	796:	17:	759:	2.3%	0.5%	0.2%	33.\	0.25	165%	- 0 ·.	33.\	318:	413:	150:	636 :
		.6	0 :	.3	16:	97:	43:	02:		.0:		_	3.			.6
			83:	09	04	326	784	15		01	0	53	48	89	04	55
			3.								6:					
											6⊹					
											0.					
											4 :					
											3 ∖.					
											9					
48	4.7	788%	17:	775%	2.3%	0.5%	- 0 ·.	32.	0.25	165%	- 0 ·.	32.	322%	422:	1 57 %	650·
		.7	0 %	.8	67 %	885	• \	96:		.6∶	. \	84 :	5.\	.1%	2.	.9
			885	43	68	721	1.	19		93	0.	53	27	22	41	58
			8.				1.				7 %					
							6∶				3 ∖.					
							6 ∖				7 %					
							7%				7 %					
							9				1.					
											3					
49	4.73	786 %	17:	780 %	2.3%	0.5%	- 0 ·.	32.	0.25	165 %	- Ø ·.	32.	323 %	424 ·	1 59 :	655≒
		.33		.8	83%	86%	• 1	94		.9	• 5		7.	.6	2.	.2
			90%	17	22	129	2 %	25		08	0 .	28	97	06		75
			5.				1\				6∵					
							9∖.				7 %					
							7:				9:					
							5 \				7%					
							2				2 %					
	4.5	70.5						20	0.05	_	5	20	20.5	400	4.55	
50	4.8	786	0		2.3			32.	0.25			32.				
		.33		.4	738		. \	90%		1\	• \		7.3			.7
				48		701	4 .	07		. \	0:	61	62	98	79	56
							0·.			0 ·.	4 ·					
							4 \ 5 \			1 · 4 ·	2 \ 2 \					
							5 \ 7 \			4 · 2	1.					
							7 · . 5			_	8.					
											2					
1		l	l	l		l	l			l	I ²		l	l	l	

57	10.	786 :	0	576%	1.8	0.6%	0.3%	29.	0.25	– 2 %	- 0 ·.	29.	506:	280:	460:	503%
		.33		.6%	00·		69:	12:		9∖.	. \	49	6.	.6	7.\	.7%
				46	58	532	335	88		. \	0 %	82	99	97	14	16
										3 ∖.	6 ∖.					
										7%	9⊹.					
										6∶	5 \					
										4	3 %					
											8 %					
											6					
58	11.	786%	0	548 %		0.7%	0.5%	28.	0.25	- 2 ∴	- Ø ·.		533 %	259:	510:	483 :
		.33		.5\	18:		99 :	25 %		6⊹	• \		7.	.6∶	0.	.1
				56	79	616	53	43		• 3	0 ∖	38	07	79	45	99
										8 :	4 ∖					
										5 %	6 ≒					
										2	5 \ _					
											5 \					
											1					
59	12.	786 :	0			0.7%		27.	0.25		0.0		558:	240:	557 :	
		.33		.8	435		81:	32 %		4	02:	01:	6.	.0:		.4
				44		184	493	88		٠ ١	07%	03	84	36	16	88
										6∵	136					
										1\						
										4 :						
	42	706		400	4 -		0.4	2.5	0.05	3		2.5	-04	224		
60	13.	786	0			0.7		26.	0.25			26.		221:	602:	
		.33		.2%	74	49:	93 :	35 ·		2 %	46	54			9.	.3:
				43		399	822	03		• \	56%	41	56	93	97	71
										6 ∖ 2 ∖	46					
										3 %						
										5						
61	14.	786 %	0	477:	1.5	0.7:	- 0 ·.	25.	0.25		0.0:	24.:	603 :	204:	646:	431:
02		.33	Ü	.5	09:		. \	31:	0.23	0:	16					
				25	71	402	6:	55		• 1	70%	56	36	91		67
							4			8.	61					
							9:			4:						
							9:			4 :						
							0 %			7						
							1									
62	15.	786%	0	457 %	1.4	0.7%	- 0 ·.	24.	0.25	-1:	- 0 ∵	23.	622 :	187:	689:	417:
		.33		.4			. \	22 %		9∖.	. \				3.\	
				92	08	314	4	35		• ٨	0%	97	25	07	74	11
							85			2 %	7%					
							3 \			4 .	1\					
							7%			8 %	9 %					
							1.			1	3 %					
							3				3 ∖.					
											5					

63	16.	786 :	0	438:	1 3:	0.7%	a 7:	23.	0.25	- 1 \	– 0 ·.	23.	640:	172:	730:	403 :
05	10.	.33	O	.9:	94	90	24	07:	0.23	7:						
				75	69	531	225	76		• 1	0	18	09	68	19	46
				, ,	05	551	223	, ,		7.	5 \	10			10	10
										9	2 \					
										6 ·	8:					
										1	6 ·					
											8					
<i>- - - - - - - - - -</i>	17	706	_	421	1.3	0 7	0 1	24	0.25	1		22	657	157	770	201
64	17.	786	0					21.	0.25		0.0	22.			770:	391:
		.33		.8%	43 :	95 %	66	87%		6∵	42 :	04:	0.	.2	1.	.5\
				97	35	665	61	62		• \	09:	28	67		79	16
										3 %	35					
										8%						
										6						
										4						
65	18.	786:	0			0.8	-0∴	20.	0.25		-0∴	19.			808:	380:
		.33		.1	95 %	01:	• \	611		5 %	• \		0.7		7.	
				52	79	262	8 %			• \	0 ∖	39		75	56	55
							4			1 \	4					
							7 %			3 ∖	3 ∖					
							1.			4	3 ∖					
							5 %			6	0 ∖					
							9				2 %					
											1					
66	19.	786%	0	391:	1.2%	0.8%	0.7%	19.	0.25	- 1 :	- 0 ·.	20.	685 %	129:	846	369:
		.33		.5%	51	14	83 %	28 %		4	• 3	07÷	6.	.3%	2.	.5
				37	43	571	415	88		• \	0⊹	22	83	37	36	59
										1\	5 %					
										0 :	7 %					
										7	5 %					
											9⊹					
											7 %					
											1					
67	20.	786%	0	377%	1.2	0.8%	- Ø ·.	17.	0.25	-1:	0.0%	17.	697:	116:	882%	359:
		.33		.9%	0 9 :	27%		91:		3 ∖.	36⊹	66 ∖	9.	.2%	6.9	.5\
				13	87	04	2 %	03		• ٨	66⊹	82	57	19		99
							4:			1.	14					
							2 %			5 \						
							1.			2 %						
							0 %			2						
							1									
68	21.	786 :	0	365 %	1.1	0.8	- 0 ·.	16.	0.25	-1\	- 0 ·.	16.	708%	103%	918:	350%
		.33		.1\	70%		• 1			2 %	• 1		9.4			
				99	89	645	3 %	46		• 3	0.	91		05	77	24
							4:			2 %	8:					
							5 %			9.	4 .					
							4 .			2 %	7%					
							8%			2	9%					
							7				5					
ı	ı	ı	l	I	ı	l	l	I	l	l	1	l	l	l	l	l l

69	22.	786:	0	353:	1.1:	0.8%	0.7:	14.	0.25	- 1 ·	0.0:	15.	718:	91.:	952:	341
		.33		.3\	34 :	56:	68:	96:	0.12	1.	14:	73 :	6.	23 :	7.	.3\
				11	25	298	875	53		• 3	07 ·	41	75	66	51	27
										4 :	85					
										9 :						
										0 %						
										5						
70	23.	786 :	0	342 %	1.0%	0.8%	- 0 ·.	13.4	0.2%	- 1 \	- 0 ·.	12.	727 %	79.	986 :	332 %
		.33		.2 %	99 :	69≒	• 3		50%	Ø÷.	• \	42 %	1.	30 %	4.	.8
				04	86	965	9⊹		207	• \	0 %	11	99	54	59	88
							7⊹			7 ≒	4 :					
							8 %			2 %	6∶					
							9 :			7 %	4 :					
							2 %			5	0∵					
							4				5					
71	24.	786 :	0			0.8%			0.2%	-9∶	- 0 ·.		734 %	67.		324
		.33		.9%	67 %	61	60 %	77 %	98	• \	• \	83%	5.5	749	19:	.9
				38	93	981	56	69	112	8 :	0:	75			3.5	51
										1.	2 %					
										7:	7:					
										3 %	6 ·					
										7	2 %					
											9 ·. 9					
72	25	706.	0	222.	1.0%	0.0.	1.	10 .	0.2.	0.		0.0.	740.	56.	10.	217.
72	25.	786 · . 33	0	.5%		0.8 52	- 1 ·	10. \ 095	0.3 06		-0·.	9.0 \ 19 \	740 ·	53		317:
		. 33		49	38 · 59	864	0	095	432	9	0	91	62	64	51 · 4.7	.5\ 55
				43	23	804	7:		432	6 ·	2 %	91	02	04	4.7	,,,
							5 \			8	1.					
							0.			8.	7.					
							5			8	1.					
											5 \					
											6					
73	26.	786:	0	313 :	1.0%	0.8%	1.1	8.3%	0.3%	-8 %	- 0 ·.	9.4:	745 %	45.	10 %	310 :
		.33		.9	11\		0 3 %	55 \	01:		. \			62 :		.6
				77	69	897	76	17	949	1\	0:	93	69	37	8.7	45
										8.	4					
										2 %	1.					
										9 :	1.					
										2	2 %					
											7%					
											7					

7.	27	706		200	0 0	0 0	-	<i>c</i> -	0 0	_	^		740	2.4	1.1	204
74	27.	786:	0		0.9:			6.5	0.2		−0 ·.	5.4		34.		304 :
		.33		.1:	87:	21:	1.	63	87:	• \ 3.	•		8.	99%	13:	.1:
				91	141	998	1.		141	3 \ 	0·.	09	97	63	6.1	85
							4:			5 %	2 %					
							1:			2 %	6 ⋅					
							9 :			2 %	3 %					
							1			9	8%					
											1.					
											6					
75	28.	786≒	0		0. 9%			4.7	0.2%	-6≒	-0∵		752 %	l		298 :
		.33		.2	65≒	91:	79 %	19:	65 ∖	• 3	• \		8.	62 %	43 .	.2%
				63	195	273	75	99	195	5 ∖	0 ⋅	74	77	52	7.3	48
										1\	2 %					
										7%	5 \					
										8 .	4 :					
										3	8 %					
											2					
76	29.	786%	0		0. 9:	0.7%	-1 ∶	2.8%	0.2%	-5 ≒	- Ø ·.	1.7%	754 :	14.	11 %	292 :
		.33		.1\	45 ∖	63 %	• 3	29 :	45 ∖	• 3	• \	32 %	8.3	47 %	73 %	.7%
				28	661	925	0 :	77	661	7 %	0 %	19		14	2.8	71
							9 ∖.			6 ∖	5 %					
							7 %			2 %	8 %					
							5 %			5 %	6 ∖.					
							7			8	Ø÷.					
											4 :					
											2					
77	30.	786%	0	287 %	0.9%	0.7%	0.8	0.9%	0.2	- 5 ·.	0.0	1.7%	755 :	4.5	12 %	287%
		.33		.7%	28 %	39 :	00÷	03÷	28 %	. \	10:	03 ·.	7.8	36∖.	02 ·.	.6
				15	316	643	204	386	316	0 ·.	74 :	59		23	3.	79
										7:	55					
										3 %						
										5 \						
										2						
78	31.	786%	0	282 %	0.9%	0.7%	- 0 ·.	-1.	0.2%	-4 ·	- 0 ·.	- 1 \	755 :	– 5 %	12 %	282 %
		.33		.9%	12:	18:	• \	0.	12:	• ٨	. \	• \	7.3	. \	30 ⋅	.9:
				63	979	171	2 %	6∶	979	4	0 %	2 %	43	2 %	8.2	14
							2 %	5 %		3 %	9 .	8 %		6 ∖.		
							3 %	6 ∖.		8 %	1.	9 %		2 %		
							4 :	8		2 %	Ø÷.	1.		7		
							8 %			4	6 ∖.	7				
							7				5 %					
											7					
79	32.	786 :	0	278:	0.8	0.6:	- 0 ·.	-3.\	0.2:	-3 ∖	0.0	_ 3:	754:	- 1 \	12 \	278 %
'	J.L.	.33	J	.8%	99	99		0×	00:	-3, .\	16	- J \		4		.4:
		.55		21	494	24	5	5 \	253	8	67	5	36	. \	8.9	25
					7,74	∠ →	3 %	5 ·	2,5	5 ·	48	8.	50	8	3.7	23
							2 %	8		1.	+0	8.		6 ·		
							4:	3		2 %		2:		3 %		
							6			6		6		5		
							3			3						
1 1		1		I			ر					l	l	l]	

80	33.	786:	0	275:	በ. ጸ፡	0.6%	1.1	-5.\	0.2%	-3 ∖	- 0 ·.	-3 ∖	752 %	– 2 %	12 %	274:
30	٠٠.	.33	J	.25	87:	81	67	0 ·	06:	- J .	-0:	. ر – . ن	7.1	4:	86	.17
		,,,,		125	735	603	34	7:	132	2 \	0:	9.	74		5.2	, - ,
								7%		9:	6:	1.		3 \		
								6⊹		7%	1.	0 %		6⊹		
								8		5 \	7%	3 \		1.		
										6	9 :	5		3		
											4:					
											9					
81	34.	786%	0	272:	0.8%	0.6	- 1 %	-7 . %	0.2%	-2 ≒	- 0 ·.	– 8 ≒	749 :	-3 ≒	13 %	270 %
		.33		.2%	77 ·.	66∶	• \	1\	11\	• \	. \	• \	8.	3 ∖.	13:	.1
				12	593	39	3 ∖.	1.	203	7%	0 %	4 :	69	. \	7.3	17
							Ø÷.	3 %		8 %	4 .	2 %		7%		
							8 %	4		3 ∖.	8 %	1.		0⊹		
							2 %	8		0 %	6∖.	7%		9 .		
							7			7	6 ∖	5		4		
											4 ∖.					
											3					
82	35.	786%	0	269:	0.8%	0.6	0.7%	-9 . %	0.2%	- 2 ≒	0.0%	-8 ∵	746 %	-4 ∴	13 %	266 :
		.33		.6	68 %	53 %	36≒	1.	15 %	• \	11 \	• %	0.	2 %	40 :	.2 %
				71	949	423	861	5 %	526	3 ∖.	339	4 ∖	38	• \	5.5	33
								8 %		0 ≒		2 ≒		9 ∖.		
								9 :		3 ∖		2 %		2 %		
								6		8 %		1		4 :		
										8				7		
83	36.	786%	0	267:	0.8%	0.6	0.2%	-11:	0.2%	-1:	- Ø ·.	-1:	741:	-5 ∖	13 %	262:
		.33		.5 %	617	42 %	96≒	• \	19:	• \	• %	0 :	2.	2 %	66≒	.4
				94		55	665	2 %	15	8 %	0⊹	• \	88	• \	9.8	81
								1.		5 %	9 ∖.	9 ∖.		0 %		
								8		5 \	0.	2 :		5 \		
										8 %	4:	1.		8		
										8	9%	3		4		
											8 ·.					
	27	705		265	0.0	0.5		4.3	0 0		7	4	725		4.2	252
84	37.	786	0	l		0.6%		-13 %			-0∹		735 :		13 :	258%
		.33		.9%	55%	33 \	2.	2.	22 :	4.	• \	4 .		1.	93 %	.85
				48	746	619	2:	2 %	127	4.	0 ·.	4.	32		0.5	
							1:	6 ⁻ .		4.	0 ·.	4.		0·.		
							2 \ 0 \	7 · . 4		0 · 1 ·	8 \ 1 \	7 · 9 ·		3 ∖ 4		
							0 ·. 2	4		4		9 ·. 4		4		
							_			4	0 ·. 7 ·.	4				
											6					
				l	l	l	l	l	l	l	l	l	l	l	l	

85	38.	786%	0	264	α ο.	0.6	1 2.	- 15 \	0.2	1.	- 0 ·.	-1 \	729:	- 6 ·.	14 :	255%
83	50.	.33	Ø	.7	50:	26:	23%	-15:	24	-1: .:	- 0 ·	3.	0.	9:	18	.3\
				04	988	482	37	3	506	0	0.	. \	85		7.6	03
				0-1	300	702		1.	300	5 %	1.	9		9	7.0	03
								5 .		3	7.	9:		1.		
								5			7.	2 :		7:		
											6 ∖.	1		2		
											5 \					
											3					
86	39.	786 :	0	263%	0.8%	0.6%	- Ø ·.	- 17 %	0.2%	-0÷.	- Ø ·.	-1:	721:	-7 ≒	14 :	251%
		.33		.8	47 %	21%	• 1	• 1	26 %	. %	. \	7 %	6.	8 %	44 :	.8%
				33	338	006	5 %	3 ∖	331	6⊹	0 %	• \	53	. \	1.1	22
							4 .	5 %		9 :	8 %	9 ∖		6 ≒		
							9⊹.	5		3 ∖.	7%	0⊹		9⊹.		
							2 %			9⊹	2 %	4 ∵		9⊹.		
							3 ∖.			9 ∖.	8 %	3		1		
							1			5	4 :					
											9					
87	40.	786 %	0	263 %	0.8%	0.6%	- 0 ∵	-19 ≒	0.2%	-0÷.	0.0%	- 2 ≒	713:	-8 ≒	14 :	248 %
		.33		.3	44	17:	• %		27 %	• %	15:	0 :	3.	7 %	69 %	.4
				06	701	051	6∵	3 ∖	65	3 ∖.	20%	• \	52	• \	1.2	04
							5 ∖.	6∶		6∶	86	0⊹		3 ∖.		
							5∖.	8 %		4		2 %		2 %		
							2 %	1		5 \		3 %		1:		
							4 :			4:		4		7		
		_	_			_	5	_		8			_	_		_
88	41.	786 :	0	263:	0.8		1.3	-21 ≒	0.2%	-0÷.	-0∹	-1:	704	l	14 :	245 :
		.33		.0%	42 %	14:	74:	. \	28%	. \	. \	9 ∖.	1.		93 %	.0:
				95	987	48	34	3 \	507	0·	0:	. \	92	. \	7.9	80
								6 \ 8 \		6: 1:	4.	9∖ 9∖		8 %		
								6		1 \ 2 \	8 ∖ 4 ∖	4 ·		6 \ 2 \		
										3 %	4 · 6 ·	3		9		
										9:	3.					
										8	6					
89	42.	786 :	0	263:	0.8	0.6	-1:	- 23 :	0.2%		- 0 ·.	– 2 %	694 :	- 1 \	15 \	241
		.33	•	.1	42:		. \		28:	14:	. \	4:	1.	l	18	.6
				73	11	165	1.		945	226	0	• \	84	4:	1.3	38
							8.				6 ·	5 .		. \		
							4:	0:			6.	2.		2 %		
							6 %	2			6 ∖.	4 :		6 %		
							2				2 %	8		7		
											8%					
											8					
1	1			i.	1	1	1	1	1	1	ı ı	ı	1	1	ı	

22	43	70.5		262	0 0	0 5	0 1	2-	0 0	0 1	0 0	_	662	_	4.5	222
90	43.	786:	0					– 25 ·.					683:		15 :	238:
		.33		.5\	41 :	12:	64 :	. \	29:	61:	23 %	5 %	3.\	1\	42:	.2%
				13	978	967	947	2 %	011	662	808	• \	45	2 %	1.2	86
								7:				1.		. \		
								5 \				1.		5 \		
								4				0 .		1:		
												4		2		
91	44.	786%	0	264:	0.8		0.8	- 27 ≒	0.25	0.6	- 0 ·.	- 2 ≒.	67 1 %	-1 ∖	15 %	234 :
		.33		.0%	42 %	13 %	98%	• 3	28 :	83 %	• %	6 ≒	6.	2 %	65 ∖	.9∶
				88	506	759	784	1\	747	896	0 %	• 3	86	0 %	7.8	11
								8:			7:	2 %		• \		
								7 %			8 %	8 %		6∴		
								6			3 ∖.	8 %		6∴		
											0 %	8		3		
											2 %					
											8					
92	45.	786%	0	264 :	0.8%	0.6	-1:	- 29 ≒	0.2%	0.8	-0÷.	-3 ≒	659 :	-1:	15 %	231%
		.33		.8%	43 %	1 5 \	• 3	• 3	28%	78%	• 3	0 %	2.2	2 %	89 :	.54
				72	608	413	4 %	0 :.	196	226	Ø÷.	• 3		8 %	1.	
							3 %	5 %			2 %	4		• \		
							8 %	4			6 ∖.	9 ⋅		6 ∖.		
							3 %	5			9 ∖.	2 %		3 %		
							5				2 %	8		2		
											9 ∖.					
											8					
93	46.	786%	0	265:	0.8	0.6	1.1	- 30 ·.	0.2%	1.0	0.0	-2 ∖	645:	- 1 \	16 :	228 %
		.33		.8	45 %	17:	03⊹	• 3	27 %	46:	05 ∖	9 :	9.	3 ∖.	12:	.1
				36	197	795	26	8:	402	62	78 %	. \	65	6 ∖.	0.9	44
								8 %			943	75		• \		
								3 ∖				8		4		
								2						5 %		
														1		
94	47.	786:	0	266:	0.8%	0.6	- 0 ·.	- 32 ·	0.2%	1.1	- 0 ·.	-3 ∖	631:	-1:	16 :	224:
		.33	-	.9	47:	20:	. \	. \	26:	90:	• \	2:		4	34:	.7
				57	192	788	2 \	6:	404	33	0.	• \	34	4 :	7.3	03
							5 \	7.			9.	9.		• \		
							0:	7:			0.	2 %		1		
							1.	8			5 \	8		3 %		
							8.				0.			4		
							9				4 :					
											8					
95	48.	786:	0	268 :	0.8	0.6	- 0 ·.	- 34 ·	0.2%	1.3	0.0%	– 3 ∖.	617:	- 1 \	16 :	221:
	-70 •	.33	J	.2	49	24	- 0 ·	- 54 ·	25	07:	22%	- J : 5 :	1.	- 1 :	57:	.2%
				07	511	266	7.	4	245	35	89:	• \	47	1\	0.3	53
				"	711	200	3 \	1.	243	, ,	75	1.	7/	.\	0.5	رر
							3 \	8.			, ,	5.		5 \		
							9.	2				2 ·		9.		
							0.	_				1		9		
							2					1				
1																

96	49.	786:	0	269:	0.8	0.6	1.3	- 36 ·	0.2	1.4	- 0 ·.	– 3 ·.	601:	-1\	16 :	217%
96	49.	.33	О	.5	52	28	04	- 36	23	01	- 0 ·	-3∖ 4∖		- 1 \ 5 \	78	.7%
				64	074	112	34	1.	963	51	0		0.2	8.	9.8	35
				04	074	112	54	2.	703)1	5 ·	8.		. \	٥.٥	,,,
								5			3\	2 %		9		
								,			3.	0:		2 \		
											2 %	6		1		
											4:			_		
											3					
97	50.	786 :	0	271:	0.8	0.6:	- 1 \	– 37 %	a 2:	1 4 :	- 0 ·.	– 3 ∖.	585 \	- 1 \	17 \	214:
	50.	.33	Ü	.0:	54	32 %		• \	22:	71:		9:		6:	00	.1
		.55		02	811	216	3\	7.	595	51	0.		3.,	6 ·	5.8	85
				02	011		9.	8]] _	4.	1.		. \	3.0	03
							5.	2 %			2 .	7:		0:		
							1	4			0.	7.		3 .		
											5 \	5		3		
											9:					
											4					
98	51.	786 :	0	272:	0.8	0.6	0.9:	- 39 ∖	0.2:	1.5	0.0%	- 3 ·	568	-1\	17 \	210:
	J	.33	Ū	.4	57:	36:	87:	. \	21	18:	17:	8.	4.	7.	21	.5
				99	645	468	117	3 \	177	78	63:	. \	21	2 .	8.2	92
								9:			48	4:		. \		
								2 %				0:		9		
								5				5 .		3 ∖.		
												4		6		
												-		_		
99	52.	786 %	0	274 %	0.8%	0.6	- Ø ·.	- 40 ·.	0.2%	1.5	- 0 ·.	- 4 ∵	550%	-1\	17 %	206%
99	52.	786 ·	0	274	0.8 \ 60 \	0.6 40	-0 ·	- 40 ·	0.2% 19%	1.5 · 45 ·	-0%				17 % 42 %	206 ·
99	52.		0									-4 ∵		-1:		
99	52.		0	.0%	60 %	40 %	٠.	٠.١	19%	45 %	. \	-4\; 1\;	7.%	- 1 % 7 %	42 %	.9∶
99	52.		0	.0%	60 %	40 %	. \ 3 \	• · · 9 ·	19%	45 %	. A	-4: 1:	7.%	-1: 7: 9:	42 %	.9∶
99	52.		0	.0%	60 %	40 %	3 × 8 ×	• · · · · · · · · · · · · · · · · · · ·	19%	45 %	0 8	-4: 1: .: 3:	7.%	-1: 7: 9:	42 %	.9∶
99	52.		0	.0%	60 %	40 %	3 \\ 8 \\	• · · · · · · · · · · · · · · · · · · ·	19%	45 %	0 \ 8 \ 9 \	-4\\ 1\\ .\\ 3\\ 5\\	7.%	-1% 7% 9% •% 6%	42 %	.9∶
99	52.		0	.0%	60 %	40 %	. A 3 A 8 A 8 A 7 A	• · · · · · · · · · · · · · · · · · · ·	19%	45 %	0 \ 8 \ 9 \ 6 \	-4% 1% .% 3% 5% 4%	7.%	-1% 7% 9% •% 6% 5%	42 %	.9∶
99			0	.0 \ 33	60 %	40 · 769	3 \ 8 \ 8 \ 7 \ 4 \	• · · · · · · · · · · · · · · · · · · ·	19 · . 744	45 ·. 76	0 \ 8 \ 9 \ 6 \ 8 \	-4% 1% .% 3% 5% 4% 7	7.%	-1\\ 7\\ 9\\ .\\ 6\\ 5\\ 9	42 %	.9∶
		.33		.0 \ 33	60 · . 513	40 · 769	. \\ 3 \\ 8 \\ 7 \\ 4 \\ 5	• % 9 % 6 % 6	19 · . 744	45 \ 76	0 \ 8 \ 9 \ 6 \ 8 \ 4	-4% 1% .% 3% 5% 4% 7	7. \\ 89	-1\\ 7\\ 9\\ .\\ 6\\ 5\\ 9	42 \ 6.9	.9 ¹ .
		786		.0 \ 33	60 \ 513	40 · 769	. \\ 3 \\ 8 \\ 7 \\ 4 \\ 5	- 42 \cdots	19 \ 744 0.2 \	45 \ 76 1.5 \ 51 \	0.0 8.0 9.0 6.0 4 0.0 8.0 8.0	-4\\ 1\\ 3\\ 5\\ 4\\ 7	7. \\ 89 532 \\ 4. \	-1\\ 7\\ 9\\ .\\ 6\\ 5\\ 9	42 \ 6.9	.9 \\ 22 203 \\
		786		.0\ 33	60 \ 513	40 \ 769 0.6 \ 45 \	. \\ 3 \\ 8 \\ 8 \\ 7 \\ 4 \\ 5 \\ -0 \\ . \\ 2 \\ 8 \\	-42\\.4\\.8\\	19\\ 744 0.2\\ 18\\	45 \ 76 1.5 \ 51 \	. \\ \(\text{0} \) \\ \(8 \) \\ \(6 \) \\ \(8 \) \\ \(4 \) \\ \(38 \) \\ \(38 \) \\ \(38 \) \\ \(38 \) \\ \(38 \) \	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ .\\ 7\\	7. \\ 89 532 \\ 4. \	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 6\\ 6\\ .	42 \(6.9 \) 17 \(63 \)	.9\ 22 203\ .2\
		786		.0\ 33	60 \ 513	40 \ 769 0.6 \ 45 \	. \\ 3 \\ 8 \\ 7 \\ 4 \\ 5 \\ - 0 \\ . \\ 2 \\ 8 \\ 9 \\	. \\ 9 \\ 6 \\ 6 \] -42 \\ . \\ 4 \\	19\\ 744 0.2\\ 18\\	45 \ 76 1.5 \ 51 \	0.0 8.0 9.0 6.0 4 0.0 8.0 8.0	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ .\\ 7\\	7. \\ 89 532 \\ 4. \	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 8\\ 6\\ 1\\	42 \(6.9 \) 17 \(63 \)	.9\ 22 203\ .2\
		786		.0\ 33	60 \ 513	40 \ 769 0.6 \ 45 \	. \\ 3 \\ 8 \\ 8 \\ 7 \\ 4 \\ 5 \\ - 0 \\ 2 \\ 8 \\ 9 \\ 4 \\	-42\\.4\\.8\\	19\\ 744 0.2\\ 18\\	45 \ 76 1.5 \ 51 \	0.0 8.0 9.0 6.0 4 0.0 8.0 8.0	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ .\\ 7\\	7. \\ 89 532 \\ 4. \	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 6\\ 6\\ .	42 \(6.9 \) 17 \(63 \)	.9\ 22 203\ .2\
		786		.0\ 33	60 \ 513	40 \ 769 0.6 \ 45 \	. \\ 3 \\ 8 \\ 8 \\ 7 \\ 4 \\ 5 \\ - 0 \\ . \\ 2 \\ 8 \\ 9 \\ 4 \\ 5 \\ - \(\)	-42\\.4\\.8\\	19\\ 744 0.2\\ 18\\	45 \ 76 1.5 \ 51 \	0.0 8.0 9.0 6.0 4 0.0 8.0 8.0	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ .\\ 7\\	7. \\ 89 532 \\ 4. \	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 8\\ 6\\ 1\\	42 \(6.9 \) 17 \(63 \)	.9\ 22 203\ .2\
100	53.	.33 786\ .33	0	.0\ 33	60 \(513\)0.8 \(63 \)349	40 \ 769 0.6 \ 45 \ 023	. \\ 3 \\ 8 \\ 7 \\ 4 \\ 5 \\ - 0 \\ 2 \\ 8 \\ 9 \\ 4 \\ 5 \\ 6	-42\\ .\\ 4\\ 8\\ 3	0.2\\ 18\\ 326	1.5 \(\) 51 \(\) 15	0.0 8.0 9.0 6.0 4 0.0 38.0 80 95	-4\\ 1\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ 4\\ 4\\ 4\\ 4\\ 4\\ 4\\ 4\\ 4\\	532 \ 4.\ 99	-1\(7\) 9\(.\) 6\(5\) 9 -1\(8\) 6\(.\) 1\(2\) 1	42 \(6.9\) 17 \(63 \(\) 2.	.9\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
		786 \ .33		.0 \\ 33	60 \ 513	40 \ 769 0.6 \ 45 \ 023	. \\ 3 \\ 8 \\ 8 \\ 7 \\ 4 \\ 5 \\ -0 \\ . \\ 2 \\ 8 \\ 9 \\ 4 \\ 5 \\ 6 \\ 0.7 \\	-42\\ 4\\ 8\\ 3	0.2\\\ 18\\\\ 326	1.5 \(\) 51 \(\) 15 \(\)	0.0 8.0 9.0 6.0 4 0.0 8.0 8.0	-4\\ 1\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ 2\\ 4\\ -4\\ 4\\ -4\\	532 \ 4. \ 99	-1\(7\) 9\(.\) 6\(5\) 9 -1\(8\) 6\(.\) 1\(2\) 1	42 \(6.9\) 17 \(63 \) 2.	.9\ 22 203\ .2\ 37
100	53.	.33 786\ .33	0	.0\ 33	60 \ 513	0.6 \ 45 \ 023	. \\ 3\\ 8\\ 8\\ 7\\ 4\\ 5\\ -0\\ 2\\ 8\\ 9\\ 4\\ 5\\ 6\\ 0.7\\ 93\\	-42\(\lambda \) 4\(\lambda \) 3	0.2 \\ 18 \\ 326	1.5\\ 51\\ 15\\ 39\	. \\ 0\\ 8\\ 9\\ 6\\ 8\\ 4\\ 0.0\\ 38\\ 80\\ 95\\ -0\\ . \	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ .\\ 7\\ 2\\ 4\\ -4\\ 3\\	532\\ 4.\\ 99	-1\\ 7\\ 9\\ .\\ 6\\ 5\\ 9 -1\\ 8\\ 6\\ 1\\ 2\\ 1 -1\\ 9\\	17 \(63\) 2.	.9\ 22 203\ .2\ 37
100	53.	786 \ .33	0	.0 \\ 33	60 \ 513	40 \ 769 0.6 \ 45 \ 023	. \\ 3 \\ 8 \\ 8 \\ 7 \\ 4 \\ 5 \\ -0 \\ . \\ 2 \\ 8 \\ 9 \\ 4 \\ 5 \\ 6 \\ 0.7 \\	-42\\ .\\\ 4\\\ 3\\\ .\\\\ 9\\\	0.2\\\ 18\\\\ 326	1.5 \(\) 51 \(\) 15 \(\)	. \\ 0\\ 8\\ 9\\ 6\\ 8\\ 4\\ 0.0\\ 38\\ 80\\ 95\\ -0\\ . \\ 0\\	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ .\\ 7\\ 2\\ 4\\ -4\\ 3\\ .\\	532\\ 4.\\ 99	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 8\\ 6\\ 1\\ 2\\ 1	42 \(6.9\) 17 \(63 \) 2.	.9\ 22 203\ .2\ 37
100	53.	786 \ .33	0	.0 \\ 33	60 \ 513	0.6 \ 45 \ 023	. \\ 3\\ 8\\ 8\\ 7\\ 4\\ 5\\ -0\\ 2\\ 8\\ 9\\ 4\\ 5\\ 6\\ 0.7\\ 93\\	-42\(\lambda \) \(\lambda \) \(0.2 \\ 18 \\ 326	1.5\\ 51\\ 15\\ 39\	. \\ 0\\ 8\\ 9\\ 6\\ 8\\ 4\\ 0.0\\ 38\\ 80\\ 95\\ -0\\ .\\ 0\\ 8\\	-4\\ 1\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ 4\\ -4\\ 3\\ 1\\ 1\\	532\\ 4.\\ 99	-1\(7\) 9\(.\) 6\(5\) 9 -1\(8\) 6\(.\) 1\(2\) 1 -1\(\ 9\) 2\(.\) .	17 \(63\) 2.	.9\ 22 203\ .2\ 37
100	53.	786 \ .33	0	.0 \\ 33	60 \ 513	0.6 \ 45 \ 023	. \\ 3\\ 8\\ 8\\ 7\\ 4\\ 5\\ -0\\ 2\\ 8\\ 9\\ 4\\ 5\\ 6\\ 0.7\\ 93\\	-42\(\lambda \) \(\lambda \) \(0.2 \\ 18 \\ 326	1.5\\ 51\\ 15\\ 39\	. \\ 0\\ 8\\ 9\\ 6\\ 8\\ 4\\ 0.0\\ 80\\ 95\\ -0\\ 0\\ 8\\ 0\\ 0\\	-4\\ 1\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ 4\\ 1\\ 1\\ 7\\ 2\\ 4\\ 1\\ 1\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7\\ 7	532 \(4.\\\ 99 \) 513 \(5.\\\\ 72 \)	-1\(7\) 9\(.\) 6\(5\) 9\(.\) 6\(.\) 6\(.\) 1\(2\) 1\(.\) 2\(.\) 1\(.\) 2\(.\) 3\(.\)	17 \(63\) 2.	.9\ 22 203\ .2\ 37
100	53.	786 \ .33	0	.0 \\ 33	60 \ 513	0.6 \ 45 \ 023	. \\ 3\\ 8\\ 8\\ 7\\ 4\\ 5\\ -0\\ 2\\ 8\\ 9\\ 4\\ 5\\ 6\\ 0.7\\ 93\\	-42\(\lambda \) \(\lambda \) \(0.2 \\ 18 \\ 326	1.5\\ 51\\ 15\\ 39\	-0\\ -0\\ 0\\ 8\\ 0.0\\ 8\\ 0.0\\ 80\\ 95	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ .\\ 7\\ 2\\ 4\\ 1\\ 7\\ 3\\ .\\ 1\\ 7\\ 3\\ 3\\ .\\ 3\\ .\\ 3\\ 3\\ .\\ 3\\ 3	532 \(4.\\\ 99 \) 513 \(5.\\\\ 72 \)	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 8\\ 6\\ 1\\ 2\\ 1 -1\\ 9\\ 2\\ .\\ 3\\ 9\\	17 \(63\) 2.	.9\ 22 203\ .2\ 37
100	53.	786 \ .33	0	.0 \\ 33	60 \ 513	0.6 \ 45 \ 023	. \\ 3\\ 8\\ 8\\ 7\\ 4\\ 5\\ -0\\ 2\\ 8\\ 9\\ 4\\ 5\\ 6\\ 0.7\\ 93\\	-42\(\lambda \) \(\lambda \) \(0.2 \\ 18 \\ 326	1.5\\ 51\\ 15\\ 39\	. \\ 0\\ 8\\ 9\\ 6\\ 8\\ 4\\ 0.0\\ 38\\ 80\\ 95\\ -0\\ .\\ 0\\ 9\\ 3\\ 3\\	-4\\ 1\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ 4\\ 1\\ 1\\ 7\\ 2\\ 4\\ 1\\ 1\\ 7\\ 7\\ 2\\ 4\\ -4\\ 3\\ 1\\ 7\\	532 \(4.\\\ 99 \) 513 \(5.\\\\ 72 \)	-1\(7\) 9\(.\) 6\(5\) 9\(.\) 6\(.\) 6\(.\) 1\(2\) 1\(.\) 2\(.\) 1\(.\) 2\(.\) 3\(.\)	17 \(63\) 2.	.9\ 22 203\ .2\ 37
100	53.	786 \ .33	0	.0 \\ 33	60 \ 513	0.6 \ 45 \ 023	. \\ 3\\ 8\\ 8\\ 7\\ 4\\ 5\\ -0\\ 2\\ 8\\ 9\\ 4\\ 5\\ 6\\ 0.7\\ 93\\	-42\(\lambda \) \(\lambda \) \(0.2 \\ 18 \\ 326	1.5\\ 51\\ 15\\ 39\	-0\\ -0\\ 0\\ 8\\ 0.0\\ 8\\ 0.0\\ 80\\ 95	-4\\ 1\\ .\\ 3\\ 5\\ 4\\ 7\\ -4\\ 2\\ .\\ 7\\ 2\\ 4\\ 1\\ 7\\ 3\\ .\\ 1\\ 7\\ 3\\ 3\\ .\\ 3\\ .\\ 3\\ 3\\ .\\ 3\\ 3	532 \(4.\\\ 99 \) 513 \(5.\\\\ 72 \)	-1\\ 7\\ 9\\ 6\\ 5\\ 9 -1\\ 8\\ 6\\ 1\\ 2\\ 1 -1\\ 9\\ 2\\ .\\ 3\\ 9\\	17 \(63\) 2.	.9\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

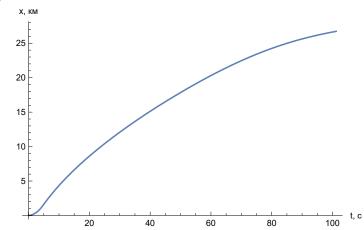
102	55.	786%	0	278 :	0.8%	0.6%	-1\	– 45 %	0.2%	1.5	0.0	-4 ≒	494	-1 \	18 %	195%
		.33		.6:	68:	53 %	- · \	. \	15 \	08%	13 \	6:	0.	9.	03:	.6
				55	701	051	1.	3 %	65	86	921	• \	29	8 %	0.9	64
							6⊹	9 :				5 %		• 1		
							7:	85				6⊹		4		
							8 %	4				6 ∖		0:		
							4					2		4		
103	56.	786:	0	280:	0.8	0.6	1.3	- 46 ·	0.2%	1.4	- 0 ·.	-4 ∴	473 :	-2 ≒	18 %	191:
		.33		.1\	71%	56%	295	• 3	14:	63 %	• 1	5 %	8.	0 %	22%	.7%
				43	114	671		7:	443	53	0.	• 1	98	4	4.7	94
								9:			4:	4:				
								3 %			4 :	6 ∖		1.		
								4			1.	3 ∖		9 :		
											0⊹	9		3		
											5 %					
											5					
104	57.	786%	0	281 %	0.8%	0.6	-1:	- 48 ∖	0.2%	1.4	-0:	-4 ∵	453 %	-2 ≒	18 %	187%
		.33		.5%	73 %	59 %	• 3	• 3	13:	035	• \	9⊹	2.	Ø÷.	41	.8
				78	296	944	4	1.	352		0⊹	• %		9⊹	4.5	91
							0 %	4			2 %	5 %		• \		
							1.	2 :			0 ∖	4		7 %		
							2 %	6			5 %	3 ∖.		2 %		
							2				5 %	8		1		
											5 %					
											8					
105	58.	786:	0	282 %	0.8		1.3	– 49 ≒	0.2%		- 0 ·.	-4 ∴	431	-2 ≒.	18 %	183:
		.33		.9∶	75 %	62 %	63 %	• 3	12:	31:	• \	8 %	9.	1 \	60:	.9∖
				46	207	81	76	4 :	397	02	0 .	• \	63	4 :	0.4	41
								5 \			1.	0%		• `		
								1.			0 ·.	8%		9:		
								5			7%	7 · 7		9:		
											0 ∖ 7	/		8		
106	F0	706	0	204	0.0	0.6	-1	– 50 ·.	0 2	1 2		_	410	2	10	170
106	59.	786: .33	0		0.8:		- 1 \					-5∖ o	410		18 ·. 78 ·.	179 ·
				.2 \ 36	76 · 818	65 · 228	• \ 3 \	• \ 7 \	11 · 591	47 · 78	0	2	2.\ 09	2 ·. 0 ·.	2.4	.9∖ 44
				50	213	220	3 %	2 ·	791	/ 6	4 ·.	0	09	• •	2.4	74
							0 ·	2 :			4:	5 ·		0		
							1.	4			0.	2 .		2 .		
							3	, i			8.	5		4		
											5 \			-		
											3					
107	60.	786 :	0	285%	0.8	0.6	1.2	- 51 \	0.2	1.1	0.0	-5 ∖	387 :	– 2 %	18 %	175 %
	- •	.33		.4	78%	67:	674		10:		08	0:		2:	96	.9
				38	102	153		9.	949	93	30%	. \	68	4	0.3	26
								5 %			057	6 .		• 3		
								Ø÷.				8 %		7%		
								8				3 %		7%		
												4		7		
1 !				1	1	ı	ı		1	1	1	1	1	1	1	ı I

113	66.	786%	0	290:	0.8%	0.6%	1 3:	– 58 ·.	a 2:	0.1:	– 0 ·.	- 5 \cdot	245 :	-2 ∶	19 :	151 \.
113	00.	.33	O	.4	78	67:	89	• \	10:	93		7:	7.	4	94	.3\
		.55		38	176	264	46	5 ·	912	352	0		07	7:	2.4	69
					1,0	204	10	8:	712	332	2 %	1.	0,	• ٨		0,5
								9			5 \	9.		8		
											8.	9:		7:		
											9.	5		5		
											6·.					
											5					
114	67.	786%	0	200.	0.8%	0.6	- 1 \	– 59 ·	α 2·	0.3%	0.0%	- 6 [·] .	220:	-2 %	20 %	147:
114	67.	.33	V	.8	76%	65		- 35 .	11:	78	11	0.	7.	- 2 · 5 ·	09:	.2
				74	887	331	• \ 3 \	5 .	556	449	43	• .	69	0 ·	1.7	82
				/4	007	JJ1	3.	7 ·	550	447	71	9.	05		1.,	02
							1.	9:			/1	1.		8		
							1.	6				0:		3 \		
							1	U				7		1		
11-	60	706	^	204	0.0	0.5			0 0	0.2			105		20	1.43
115	68.	786%	0			0.6		- 60 ·.				-5 \	195		20 %	143:
		.33		.1:	75 %	62 %	301	. \	12:	65 .	• •	9 :	5.	5 %	23 %	.1\
				96	241	862		5 \	379	937	0:	• \	49	3 ∖	7.	89
								4 :			6÷.	4:		• \		
								5 \			7:	1.		5 \		
								8			5 \	5 %		5 %		
											6∖	7		9		
											2 %					
	_	_	_			_	_			_	4		_	_		
116	69.	786 :	0		0.8		- 0 ·.	- 61 ≒					170:		20 %	139
		.33		.4	73 %	59 %	• `	• `	13 \	55 %	55 \	2 ∖.	0.	5 %	37 .	.1\
				07	253	879	8:	4 :	374	465	10:	. \	67	6∖	8.1	61
							1:	7:			98	2 %		• \		
							6:	4 :				9%		0 .		
							2 %	5				0%		3 \		
							7%					8		2		
							3									
117	70.	786≒	0			0.6%						-6÷.	144		20 %	135:
		.33		.5	70 %	56	24	• `	14	49 :	• 1			5 .	51:	.1
				09	936	404	581	3 %	532	64	1.		48	8 %	5.3	09
								8%		66	0:	0:		• \		
								8			1.	6⊹		3 %		
											3 .	3 \		0:		
											1.	4		8		
											2					
118	71.	786%	0			0.6		-63 ⅓			0.0		118:	- 2 %	20 %	131:
		.33		.5\	68%	52 %	30%	• \	15	• \	73 %	3∖.		6:	64	.1\
				07	308	463	921	2 %	846	Ø÷.	08	• \	15	0 .	8.4	61
								6		5 .	13	0 .		• \		
										3 .		2:		3 .		
										0:		9 .		3 \		
										6 ·. _		1		3		
										7						

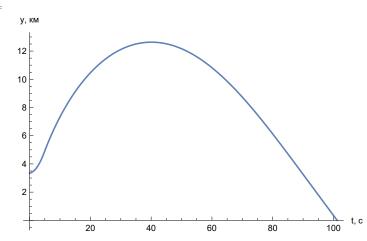
120 73. 786. 0 291. 0.8. 0.6. 1.2. -64. 0.2. -0. 0.8. 0.6. 3. 2. 4. 4. 1. 9. 8. 6. 77. 3. 3. 4. 6. 3. 2. 4. 4. 3. 4. 4	119	72.	786 :	0	291:	0.8	0.6	– 0 ·.	- 64 ·.	0.2	– 0 ·.	– 0 ·.	-6 ·.	922:	– 2 %	20 %	127%
120 73. 786\ 0 0 290\ 0.8\ 0.6\ 1.2\ 0.6\ 0.2\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.2\ 0.8\ 0.8\ 0.6\ 0.2\ 0.8\ 0.8\ 0.6\ 0.2\ 0.8\ 0																	
120 73. 786\ 0 0 291\ 0 0 0 0 0 0 1.2\ 0 0 0 0 0 0 0 0 0					05	389	084	8 %	1.			0 %	• 1	71	2 %	7.6	89
120 73. 786								3 %	2 %		4 .	8 %	9⊹		. \		
120 73. 786								4 :	1.		9⊹.	8 %	5 %		1.		
120 73. 786\ 0 291\ 0.8\ 0.6\ 1.2\ -64\ 0.2\ -0\ 0.8\ 0.6\ 6 34 0.6\ 1.2\ 62\ 43\ 77\ 0.4\ 18\ 0.5\ 1.2\ 66\ 18\ 0.6\ 1.2\ -64\ 0.2\ -0\ 0.8\ 0.6\ 3\ 3\ 0.8\ 6\ 0.8\ 0.6\ 3\ 3\ 0.8\ 0.6\ 1.2\ 0.6\ 18\ 0.6\ 1.2\ 0.6\ 18\ 0.6\ 1.2\ 0.6\ 0.								0 %	3		7 %	9 ∖.	5 %		8 %		
120								2 %			9⊹	8 %	4		3		
121 74. 786 0 290 0.8 0.6 -1 -65 0.2 -0 -6 -6 395 -2 21 119								9			6	4					
121 74. 786\ 0 290\ 0.8\ 0.6\ -1\ -65\ 0.2\ -0\ -6\ -1\ 25\ -6\ 120 -4\ -6\ -1\ -65\ 0.2\ -6\ -1\ -6\	120	73.	786%	0	291 .	0.8%	0.6	1.2	- 64 ·.	0.2%	-0÷.	0.0%	-6≒	659:	- 2 ≒.	20 %	123:
121 74. 786\ 0 290\ 0.8\ 0.6\ -1\ -65\ 0.2\ -0\ -6\ 0.2\ -0\ -6\ 0.3\ 0.6\ 0.2\ -0\ -6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\ 0.6\ 0.2\			.33		.2 %	62 %	43 %	77 %	• \	18 %	• \	29 %	3 ∖	.8	6∶	90 %	.3%
121 74. 786					09	197	296	18		901	2 %	583	• `	66	3 ∖.	2.8	23
121													6 ∖		• 3		
121 74. 786									5				6∶				
121 74. 786																	
121 74. 786													8		7		
122 75. 786 0 290 0.8 0.6 1.2 -66 0.2 -0 -6 129 -2 21 115 118																	
122 75. 786	121	74.		0								-0∶.		l			
122 75. 786\ 0 290\ 0.8\ 621 1.2\ 5\ 46 4\ 0 0.2\ 5\ 46 0 0.2\ 5\ 46 0 0.5\ 5\ 0 0.8\ 6021 1.2\ 5\ 46 0 0.2\ 5\ 46 0 0.2\ 5\ 4\ 0 0.5\ 1\ 1\ 7\ 5\ 0 0 0.8\ 6\ 0.2\ 5\ 0 0.8\ 0.6\ 1.2\ 66\ 0.2\ 0 0.8\ 0.6\ 1.2\ 66\ 0.2\ 0 0.8\ 0.6\ 1.8\ 92 0.8\ 0.6\ 1.8\ 92 0.8\ 0.6\ 1.2\ 0 0.8\ 0.6\ 1.2\ 0 0.8\ 0.6\ 0.2\ 0.8\ 0.6\ 0.8			.33														.48
122 75. 786\ 0 290\ 0.8\ 621 1.2\ 5\ 7					23	755	132			623				12		4.2	
122 75. 786																	
122 75. 786\ .33																	
122 75. 786									/								
122 75. 786								4					/		6		
122 75. 786 \ 3.33 0 290 \ 55 \ 55 \ 32 \ 712 1.2 \ 55 \ 46 \ 46 \ 4 \ 60 \ 1.8 22 \ 5 \ 10 \ 10 \ 10 \ 10 \ 10 \ 10 \ 10											8						
123 75. \(786 \) 0 290 \(218 \) 828 0 \(90 \)	122	75	706	0	200	0 0	0.6	4.2		0 0				420	2	24	445
123 75. \(786 \) 0 290 \(0.8 \) 6.6 \(0.4 \) -1 \(0.4 \) -66 \(0.2 \) -0 \(0.4 \) -6 \(122	/5.		0													
123 75. \(786 \) 0 290 \(9.8 \) 0.6 \(-1 \) -66 \(9.2 \) -0 \(-0 \) -6 \(-0 \) -2 \(21 \) 113 \(-86 \) 24 \(-84 \) 33 391 4 \(-84 \) 34 \(-84 \) 35 \(-84 \) 36 \(-84 \) 38 \(-84 \)			.33					/12						l			
123 75. \(786 \)					54	08	621			46				14		1.8	92
123 75.\(\cdot\) 786\(\cdot\) 0 290\(\cdot\) 0.6\(\cdot\) -1\(\cdot\) -66\(\cdot\) 0.2\(\cdot\) -0\(\cdot\) -6\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0																	
123 75.\(\cdot\) 786\(\cdot\) 0 290\(\cdot\) 0.6\(\cdot\) -1\(\cdot\) -66\(\cdot\) 0.2\(\cdot\) -0\(\cdot\) -6\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0\(\cdot\) -0																	
123 75. \(786 \) 0 290 \(0.8 \) 0.6 \(-1 \) -66 \(0.2 \) -0 \(-0 \) -6 \(-0 \) -2 \(21 \) 113 \\ 486 33 \) 33 3 3 46 218 828 0 \(9 \) 391 4 \(0 \) 0 \(-1 \) 6 \(0.2 \) 0 \(0 \) 4 \(8 \) 9 \(5 \) \(0 \) 7 \(7 \) 7 \(6 \) 76 \\ 8 \(8 \) 5 \(1 \) 0 \(8 \) 6 \(0 \) 3 \(6 \) 0 \(8 \) 6 \(0 \) 8 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6 \(1 \) 7 \(1 \) 6									,								
123 75. \(\) 786 \(\) 0 290 \(\) 0.8 \(\) 0.6 \(\) -1 \(\) -66 \(\) 0.2 \(\) -0 \(\) -0 \(\) -6 \(\) 0.7 \(\) -6 \(\) -6 \(\) -0 \(\) -6 \(\) -6 \(\) -6 \(\) -6 \(\) -7 \(\) -6 \(\) -7 \\ -7															•		
486 .33 .34 534 294 .4 .4 234 .4																	
486 .33 .34 534 294 .4 .4 234 .4	123	75.:	786:	0	290:	0.8:	0.6:	-1:	- 66:	0.2:	- Ø :		- 6 ·	- 0 ·	- 2 ·	21 :	113:
46 218 828 0 \ 9 \ 391 4 \ 0 \ 0 \ 30 0 \ 4 \ 8 \ 9 \ 5 \ 0 \ 0 \ 30 7 \ 7 \ 6 \ 8 \ 8 \ 7 \ 5 \ 7 \ 3 \ 8 \ 2 \ 7 \ 7 \ 8 \ 8 \ 2 \ 7 \ 7 \ 8 \ 8 \ 8 \ 8 \ 7 \ 8 \ 2 \ 7 \ 8 \ 8 \ 8 \ 7 \ 7 \ 8 \ 8 \ 2 \ 7 \ 8 \ 8 \ 2 \ 7 \ 8 \ 2 \ 8 \ 8 \ 8 \ 8 \ 7 \ 8 \ 2 \ 8 \ 8 \ 2 \ 8 \ 8 \ 8 \ 8 \ 8																	
2\(\) \(
8x 8x 5x 1 7 5x 5x 5x 7 8x 8x 6x 5x 5x 7 3x 8x 2x																	
5x 1 7 0x 8x 5x 5x 5x 5x 8x 3								8 %	8 %		6 %	2 %	3 %	6			
											0:	8 %	6⊹.				
								7			5 \	5 \	7		3		
											8	2 %					
												1					

```
In[@]:= trash = 0; (*сколько последних строчек таблицы выбросить*)
      ListLinePlot[Table[{RezTab[k + 2, 2], RezTab[k + 2, 16] / 1000}, {k, n - trash}],
     линейный гра… таблица значений
       AxesLabel \rightarrow {"t, c", "x, km"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k+2,2], RezTab[k+2,14]/1000}, {k, n-trash}],
     линейный гра… таблица значений
       AxesLabel \rightarrow {"t, c", "y, \kappa M"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k + 2, 2], RezTab[k + 2, 13]}, {k, n - trash}],
     линейный гра… таблица значений
       AxesLabel → {"t, c", "0, град"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k + 2, 2], RezTab[k + 2, 9]}, {k, n - trash}],
     линейный гра… таблица значений
       AxesLabel \rightarrow {"t, c", "\theta_c, rpag"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k+2, 2], RezTab[k+2, 12]}, {k, n-trash}],\\
     _линейный гра… _таблица значений
       AxesLabel \rightarrow {"t, c", "\omega_z, pag/c"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k+2,2], RezTab[k+2,5]}, {k, n-trash}],\\
     _линейный гра… _таблица значений
       AxesLabel \rightarrow {"t, c", "V, M/C"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k + 2, 2], RezTab[k + 2, 8]}, {k, n - trash}],
     _линейный гра… _таблица значений
       AxesLabel \rightarrow {"t, c", "\alpha, град"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k+2, 16] / 1000, RezTab[k+2, 5]}, {k, n-trash}], \\
     _линейный гра… _таблица значений
       AxesLabel \rightarrow {"x, km", "V, m/c"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k + 2, 16] / 1000, RezTab[k + 2, 9]}}, {k, n - trash}],
     линейный гра… таблица значений
       AxesLabel \rightarrow {"x, km", "\theta_c, rpag"}]
      обозначения на осях
      ListLinePlot[Table[{RezTab[k + 2, 16]] / 1000, RezTab[k + 2, 14]] / 1000}, {k, n - trash}],
     линейный гра… таблица значений
       AxesLabel \rightarrow {"x, km", "y, km"}]
      обозначения на осях
```

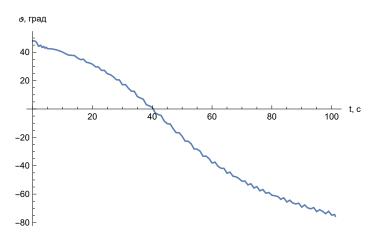


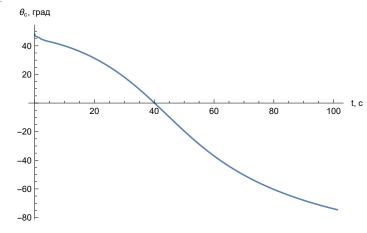


Out[0]=

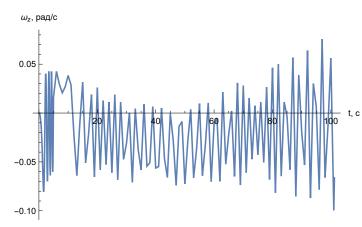


Out[0]=

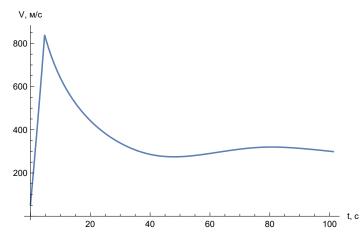


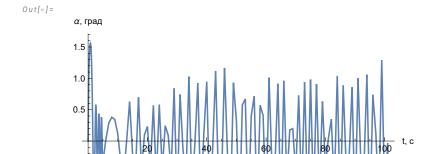


Out[0]=



Out[@]=

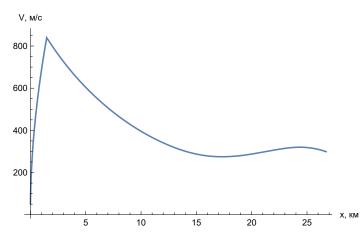




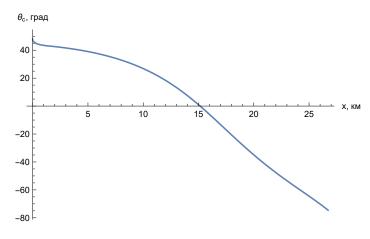
Out[@]=

-0.5

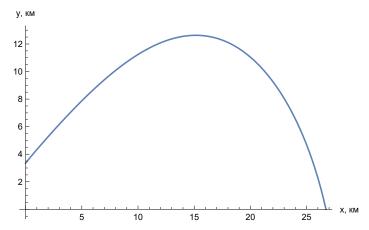
-1.0



Out[@]=







In[@]:= Export["C:\\Users\\Квай мембер Мрак\\Desktop\\ballu.xlsx",

Table[RezTab[[k]], {k, n - trash}]] таблица значений

Out[0]=

C:\Users\Квай мембер Мрак\Desktop\ballu.xlsx