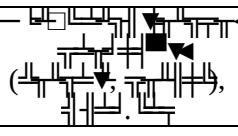
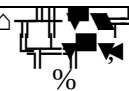
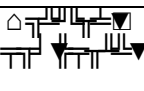
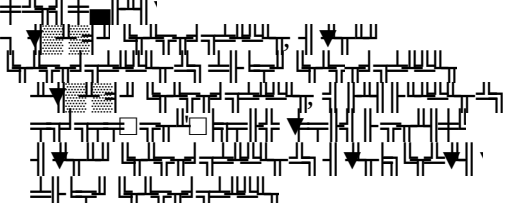
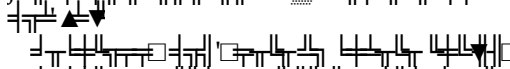
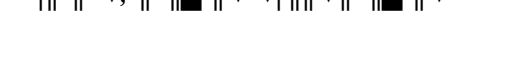
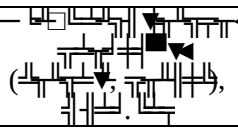
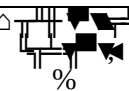
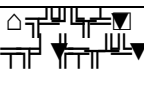
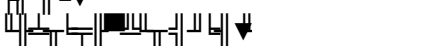
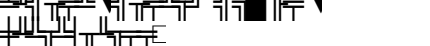
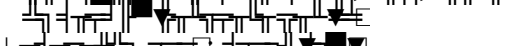
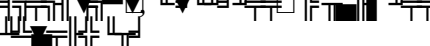
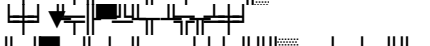
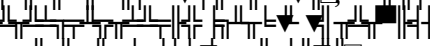
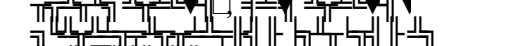
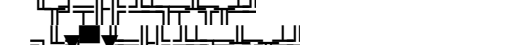
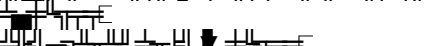
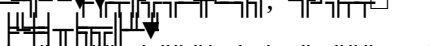


2017

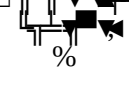
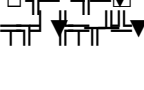
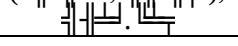
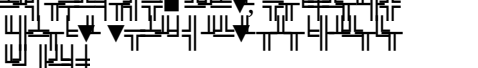
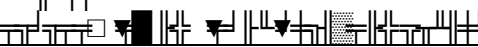
=(www.ukrstat.gov.ua)

Figure 1 displays four circuit diagrams arranged in a 2x4 grid, illustrating the effect of increasing the number of layers (L) in a quantum circuit. The top row shows results for $L=50$ and $L=10$, while the bottom row shows results for $L=10$ and $L=2$. Each diagram includes a circuit with various gates and a measurement outcome distribution.

	 2010	 ()	 %	
	√	177,5	0,5	√
	01	175,4	0,5	√
	02	1,7	3,1	√
	03	0,4	5,5	∞
	B+C+D+E	188,3	0,4	√
	B	6,2	ë ²	
	05	0,3	ë ²	
	06	1,8	ë ²	
	07	0,1	ë ²	
	08	2,9	ë ²	
	09	1,1	ë ²	
	C	160,7	0,4	√
	10	29,6	0,8	√
	11	2,0	ë ²	
	12	0,2	ë ²	
	13	2,1	ë ²	
	14	3,7	2,6	√
	15	0,8	ë ²	
	16	9,0	1,8	√
	17	4,4	1,9	√
	18	5,1	1,8	√
	19	1,8	ë ²	
	20	9,1	2,0	√
	21	1,0	ë ²	
	22	14,2	1,5	√
	23	13,9	1,3	√
	24	7,1	ë ²	
	25	14,9	1,3	√
	26	3,5	ë ²	
	27	5,0	2,3	√
	28	12,0	2,5	√
	29	1,4	ë ²	

	 2010	 ()	 %	
	30	1,4	$\ddot{e}^2$	
	31	2,6	1,6	✓
	32	1,9	$\ddot{e}^2$	
	33	14,0	2,0	✓
	D	15,2	0,7	✓
	35	15,2	0,7	✓
	E	6,2	1,8	✓
	36	1,2	1,7	✓
	37	0,3	$\ddot{e}^2$	
	38	4,6	2,4	✓
	39	0,1	$\ddot{e}^2$	
	F	110,3	1,0	✓
	41	66,5	1,4	✓
	42	14,4	2,1	✓
	43	29,4	1,6	✓
	G	723,2	0,3	✓
	45	56,8	0,8	✓
	46	617,2	0,3	✓
	47	49,2	1,1	✓
	H	66,6	1,3	✓
	49	34,3	1,9	✓
	50	0,4	$\ddot{e}^2$	
	51	0,3	$\ddot{e}^2$	
	52	31,2	1,7	✓
	53	0,4	$\ddot{e}^2$	
	I	9,3	1,7	✓
	55	2,5	2,7	✓
	56	6,8	2,2	✓
	J	40,9	1,5	✓
	58	4,7	2,3	✓
	59	2,7	4,6	✓
	60	1,7	2,4	✓
	61	5,8	6,2	∞
	62	20,1	2,1	✓
	63	5,9	2,8	✓

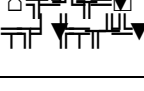
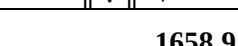
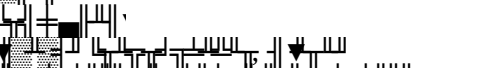
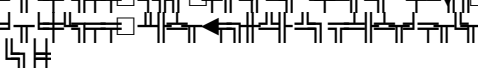
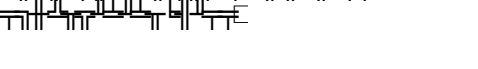
	Δ Δ $\approx$ $\int$ 2010	$(\text{musical notation})$	Δ %	Δ $\approx$ $\int$
	Δ	18,8	2,5	$\sqrt$
	64	10,2	4,3	$\sqrt$
	65	3,6	$\ddot{e}^2$	
	66	5,0	3,3	$\sqrt$
	L	60,3	0,8	$\sqrt$
	68	60,3	0,8	$\sqrt$
	$\int$	45,2	1,2	$\sqrt$
	69	6,1	1,5	$\sqrt$
	70	4,4	4,1	$\sqrt$
	71	13,0	2,5	$\sqrt$
	72	2,6	4,2	$\sqrt$
	73	17,9	1,9	$\sqrt$
	74	1,1	2,3	$\sqrt$
	75	0,1	$\ddot{e}^2$	
	N	29,4	1,1	$\sqrt$
	77	7,3	2,6	$\sqrt$
	78	1,1	6,9	∞
	79	3,9	2,3	$\sqrt$
	80	6,4	1,4	$\sqrt$
	81	5,0	2,9	$\sqrt$
	82	5,7	3,2	$\sqrt$
	P	1,7	2,4	$\sqrt$
	85	1,7	2,4	$\sqrt$
	Q	5,1	2,4	$\sqrt$
	86	5,1	2,4	
	87	0,0	$\ddot{e}^2$	
	88	0,0	$\ddot{e}^2$	
	R	2,5	0,7	$\sqrt$
	90	0,5	$\ddot{e}^2$	
	91	0,2	$\ddot{e}^2$	
	92	0,0	$\ddot{e}^2$	
	93	1,8	1,0	$\sqrt$
	S	2,9	2,1	$\sqrt$

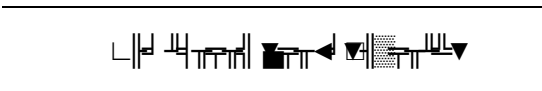
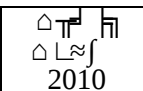
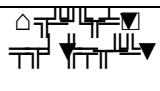
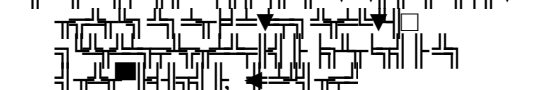
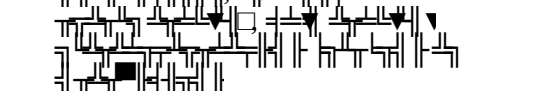
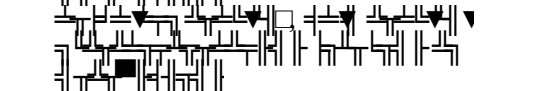
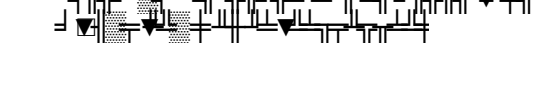
				
	2010	()	%	
	95	1,9	3,1	✓
	96	1,0	1,4	✓

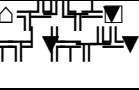
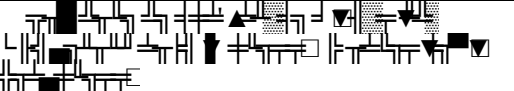
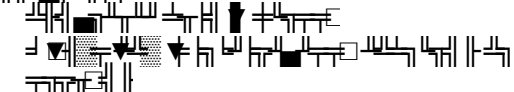
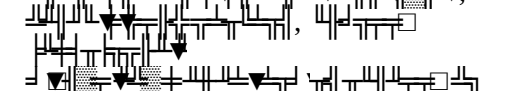
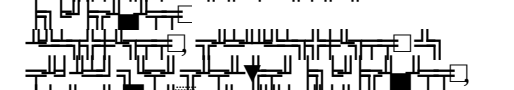
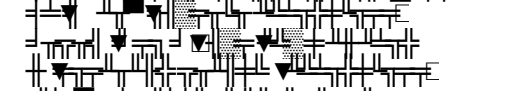
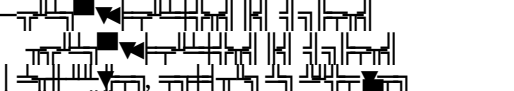
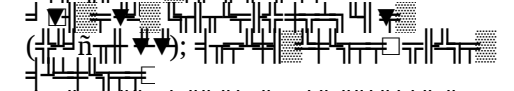
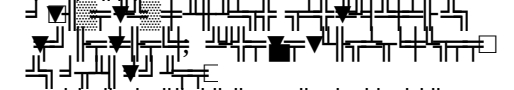
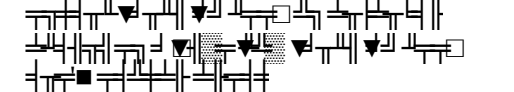
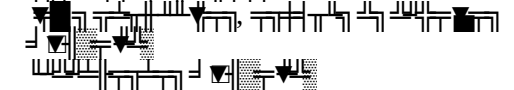
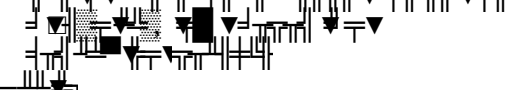
1  2014-2017

2 

 2017

				
	2010	()	%	
		1658,9	0,3	✓
	✓	229,7	0,2	✓
	01	219,0	0,2	✓
	02	6,9	2,6	✓
	03	3,8	1,8	✓
	B+C+D+E	294,3	0,3	✓
	B	8,2	ë ²	
	05	0,5	ë ²	
	06	0,7	ë ²	
	07	0,1	ë ²	
	08	6,1	ë ²	
	09	0,8	ë ²	
	C	246,9	0,3	✓
	10	33,9	0,7	✓
	11	3,8	ë ²	
	12	0,1	ë ²	
	13	4,2	ë ²	
	14	13,6	1,8	✓
	15	3,0	ë ²	
	16	18,5	1,6	✓
	17	6,9	1,0	✓
	18	10,1	1,4	✓
	19	0,7	ë ²	

	 2010		 %	
	20	9,3	1,3	✓
	21	1,3	ë ²	
	22	16,7	1,0	✓
	23	21,4	1,1	✓
	24	4,7	ë ²	
	25	24,6	1,3	✓
	26	5,2	ë ²	
	27	7,1	2,4	✓
	28	18,8	1,1	✓
	29	1,8	ë ²	
	30	2,2	ë ²	
	31	8,0	1,8	✓
	32	6,3	ë ²	
	33	24,7	1,0	✓
	D	12,2	0,9	✓
	35	12,2	0,9	✓
	E	27,0	0,9	✓
	36	13,6	1,2	✓
	37	1,6	ë ²	
	38	11,7	1,5	✓
	39	0,1	ë ²	
	F	149,7	0,7	✓
	41	82,1	1,1	✓
	42	17,6	1,2	✓
	43	50,0	1,3	✓
	G	369,4	0,2	✓
	45	36,3	0,7	✓
	46	256,4	0,2	✓
	47	76,7	0,6	✓
	H	92,9	1,0	✓
	49	53,4	1,6	✓
	50	0,8	ë ²	
	51	0,7	ë ²	
	52	37,0	0,8	✓

	 2010		 %	
	53	1,0	ë ²	
	I	42,8	1,2	✓
	55	11,7	1,9	✓
	56	31,1	1,4	✓
	J	66,0	0,9	✓
	58	13,8	2,5	✓
	59	4,0	3,5	✓
	60	5,8	1,6	✓
	61	11,5	1,7	✓
	62	21,2	1,8	✓
	63	9,7	2,6	✓
	△	17,9	1,3	✓
	64	10,3	1,9	✓
	65	2,3	ë ²	
	66	5,3	2,6	✓
	L	123,8	0,7	✓
	68	123,8	0,7	✓
	┌	106,0	0,8	✓
	69	23,0	1,7	✓
	70	11,5	2,0	✓
	71	39,2	1,4	✓
	72	8,6	2,5	✓
	73	19,2	1,8	✓
	74	4,0	1,8	✓
	75	0,5	ë ²	
	N	91,9	0,8	✓
	77	9,4	2,2	✓
	78	5,5	3,0	✓
	79	9,9	2,0	✓
	80	32,2	1,0	✓
	81	27,2	2,1	✓
	82	7,7	2,8	✓
	P	12,2	3,2	✓

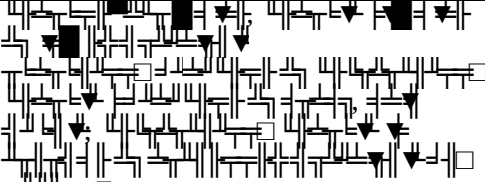
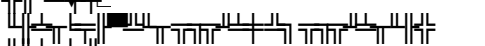
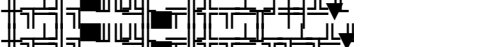
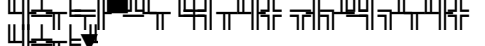
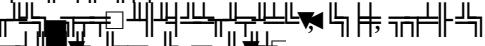
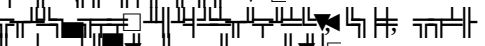
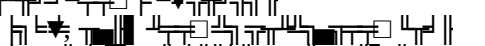
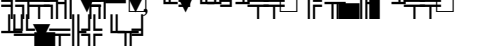
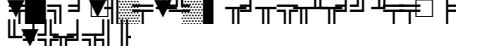
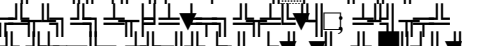
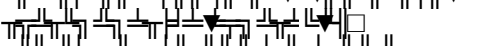
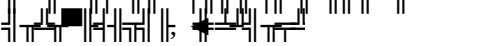
	2010		%	
	85	12,2	3,2	✓
	Q	37,2	1,9	✓
	86	36,9	1,9	✓
	87	0,2	ë ²	
	88	0,1	ë ²	
	R	9,8	1,1	✓
	90	1,3	ë ²	
	91	0,6	ë ²	
	92	0,1	ë ²	
	93	7,8	1,3	✓
	S	15,3	1,4	✓
	95	5,4	2,2	✓
	96	9,9	1,8	✓

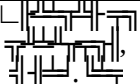
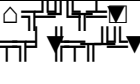
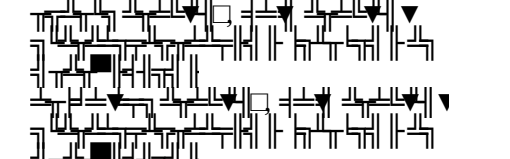
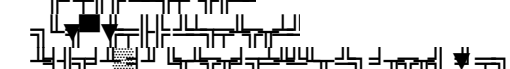
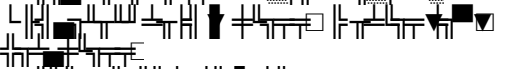
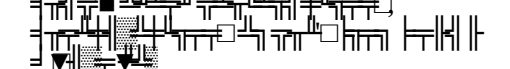
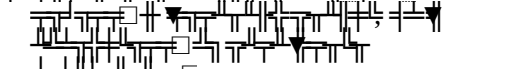
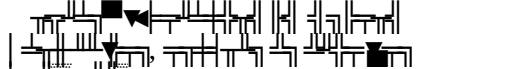
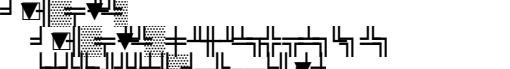
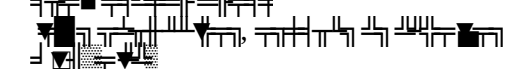
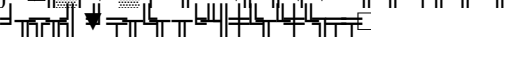
^{1,2} 2.

4

2017

	2010		%	
		101,3	0,3	✓
	✓	10,8	0,4	✓
	01	10,2	0,4	✓
	02	0,5	3,5	✓
	03	0,1	2,5	✓
	B+C+D+E	17,9	0,4	✓
	B	0,7	ë ²	
	05	0,0	ë ²	
	06	0,1	ë ²	
	07	0,0	ë ²	
	08	0,4	ë ²	
	09	0,2	ë ²	
	C	14,8	0,4	✓
	10	1,8	0,8	✓
	11	0,2	ë ²	
	12	0,0	ë ²	
	13	0,2	ë ²	
	14	0,7	2,3	✓

	 2010		 %	
	15	0,1	$\ddot{e}^2$	
	16	0,9	1,9	✓
	17	0,4	1,2	✓
	18	0,5	2,0	✓
	19	0,1	$\ddot{e}^2$	
	20	0,6	2,3	✓
	21	0,1	$\ddot{e}^2$	
	22	1,0	1,4	✓
	23	1,3	1,7	✓
	24	0,3	$\ddot{e}^2$	
	25	1,5	1,4	✓
	26	0,5	$\ddot{e}^2$	
	27	0,5	3,7	✓
	28	1,3	1,7	✓
	29	0,1	$\ddot{e}^2$	
	30	0,1	$\ddot{e}^2$	
	31	0,4	2,4	✓
	32	0,4	$\ddot{e}^2$	
	33	1,8	1,6	✓
	D	0,9	1,2	✓
	35	0,9	1,2	✓
	E	1,5	1,2	✓
	36	0,7	1,6	✓
	37	0,1	$\ddot{e}^2$	
	38	0,7	1,9	✓
	39	0,0	$\ddot{e}^2$	
	F	8,3	1,0	✓
	41	4,3	1,6	✓
	42	1,1	1,4	✓
	43	2,9	1,7	✓
	G	24,4	0,2	✓
	45	2,2	0,8	✓

	 2010		 %	
	46	18,4	0,3	✓
	47	3,8	0,8	✓
	H	6,1	1,0	✓
	49	2,9	1,6	✓
	50	0,1	ë ²	
	51	0,1	ë ²	
	52	3,0	1,3	✓
	53	0,0	ë ²	
	I	2,0	1,9	✓
	55	0,6	2,7	✓
	56	1,4	2,4	✓
	J	5,4	1,8	✓
	58	0,9	2,2	✓
	59	0,3	4,0	✓
	60	0,4	1,9	✓
	61	0,7	2,9	✓
	62	2,2	3,7	✓
	63	0,9	5,0	✓
	△	1,7	2,7	✓
	64	0,8	3,3	✓
	65	0,3	ë ²	
	66	0,6	6,4	α
	L	7,0	1,1	✓
	68	7,0	1,1	✓
	┌	8,7	1,2	✓
	69	1,9	1,9	✓
	70	1,4	2,8	✓
	71	2,8	2,4	✓
	72	0,8	6,4	α
	73	1,5	2,4	✓
	74	0,3	4,2	✓
	75	0,0	ë ²	
	N	5,4	1,2	✓

	$\Delta \approx f$ 2010		%	
	77	0,7	3,4	✓
	78	0,5	4,2	✓
	79	0,5	2,6	✓
	80	1,6	1,1	✓
	81	1,5	2,6	✓
	82	0,6	6,0	∞
	P	0,6	2,8	✓
	85	0,6	2,8	✓
	Q	1,7	1,9	✓
	86	1,7	1,9	✓
	87	0,0	ë ²	
	88	0,0	ë ²	
	R	0,6	1,2	✓
	90	0,1	ë ²	
	91	0,0	ë ²	
	92	0,0	ë ²	
	93	0,5	1,5	✓
	S	0,7	1,8	✓
	95	0,2	2,3	✓
	96	0,5	2,6	✓

1,2

2017

5% (0,2%

0,0i 6,9%.

0,3%), " (0,4%)

(0,5%);

(0,3%)

(0,5%).

ה' (6,9%),
 " (6,2%), " (5,5%).
 " (3,5%).
 " (0,2%), " (0,3%);
 " (0,2%).
 " (0,0%), " (6,4%).
 " (0,2%), " (0,4%).
 " (0,3%), " (0,4%).
 " (6,4%),
 " (6,0%).

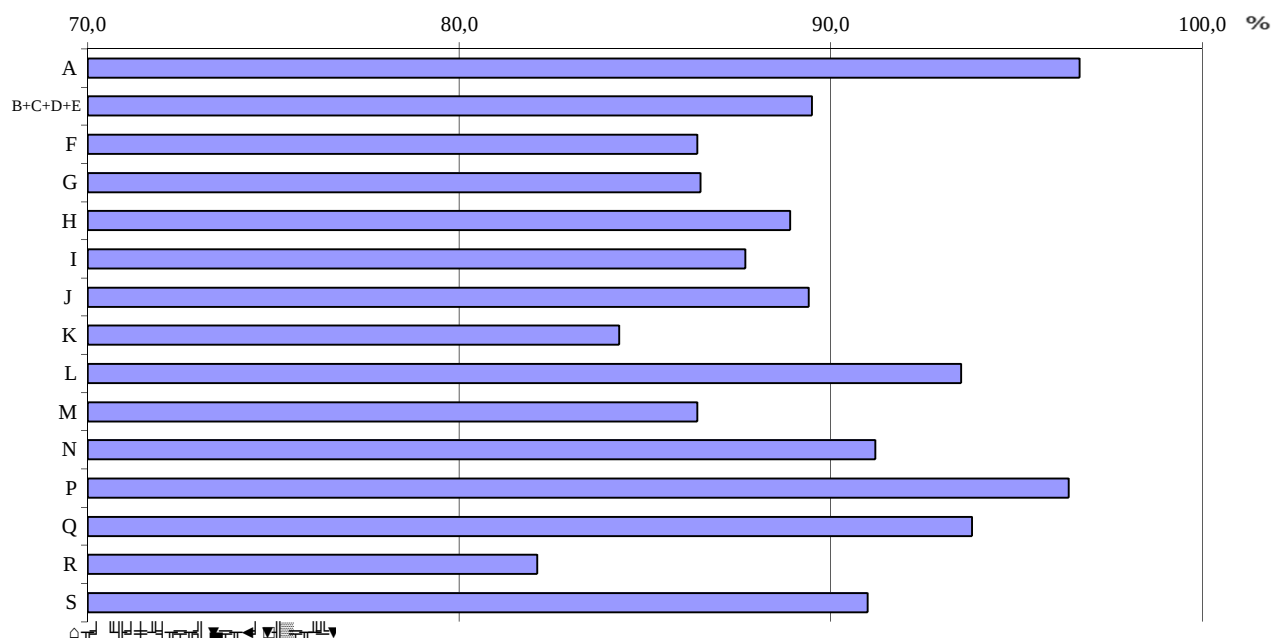
5

" (2017)

1482,0	0,2	✓	
41,5	1,1	✓	
20,7	1,7	✓	
132,5	0,9	A	
29,6	1,6	A	
23,4	2,0	✓	
15,0	2,4	✓	
51,0	0,9	✓	
22,1	2,3	✓	
92,7	0,9	✓	
32,7	1,1	✓	
11,0	1,7	✓	
71,8	0,8	✓	
35,4	1,4	✓	
96,3	0,9	✓	
41,8	1,2	✓	

2.2

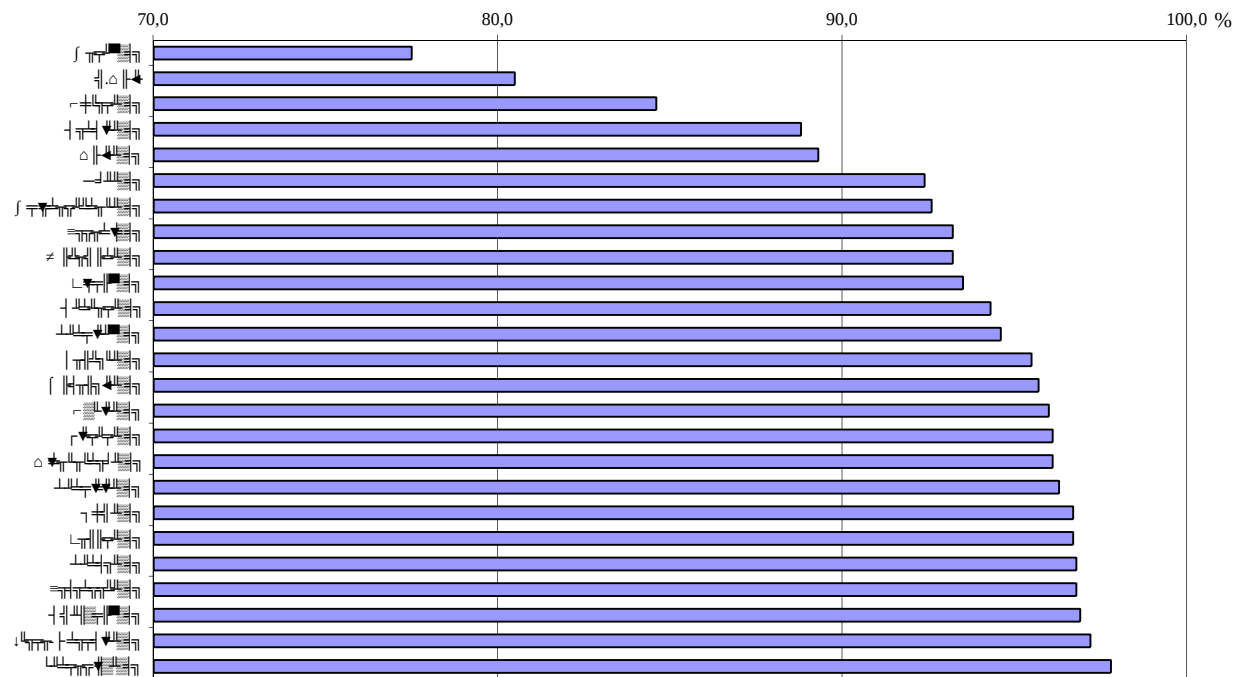
2017



$\triangle \approx \int \tilde{n} 2010$	$\int \tilde{n} 2010$	$\triangle \approx \int \tilde{n} 2010$	$\int \tilde{n} 2010$
A		L	
L+C+D+E		M	
F		N	
G		P	
H		Q	
I		R	
J		S	
K			

Timeline of the 2017 season from January to December. The timeline includes various events marked by icons: a downward arrow for the start of the season, a triangle for the first round, a square for the second round, a circle for the third round, a diamond for the fourth round, a star for the fifth round, a heart for the sixth round, a cross for the seventh round, a plus sign for the eighth round, a minus sign for the ninth round, a multiplication sign for the tenth round, a division sign for the eleventh round, a percent sign for the twelfth round, a hash sign for the thirteenth round, a dollar sign for the fourteenth round, a copyright sign for the fifteenth round, a registered trademark sign for the sixteenth round, a trademark sign for the seventeenth round, a service mark sign for the eighteenth round, a patent sign for the nineteenth round, a design sign for the twentieth round, a model sign for the twenty-first round, a plant sign for the twenty-second round, a building sign for the twenty-third round, a factory sign for the twenty-fourth round, a ship sign for the twenty-fifth round, an airplane sign for the twenty-sixth round, a train sign for the twenty-seventh round, a car sign for the twenty-eighth round, a truck sign for the twenty-ninth round, a boat sign for the thirtieth round, a helicopter sign for the thirty-first round, a rocket sign for the thirty-second round, a satellite sign for the thirty-third round, a space station sign for the thirty-fourth round, a moon sign for the thirty-fifth round, a sun sign for the thirty-sixth round, a star sign for the thirty-seventh round, a planet sign for the thirty-eighth round, a galaxy sign for the thirty-ninth round, a universe sign for the fortieth round.

88,6%. 82,1% 96,7%



2. ... 2017 ...
 ... (97,8%), ... (77,5%).
 ... 2017 ... 11,4% ... 3.

8

2017 ...

...	...
...	100,0
...	84,4
...	6,1
...	3,8
...	2,6
...	2,6
...	0,4
...	0,1
...	0,0

