The Web Site Address of this article http://www.vilnagaon.org/book/torahcodes.pdf

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Biography of the author that appeared in the 1987 English edition of B'OR HA'TORAH

Daniel Michelson was born in Riga, Latvia, in 1949 to parents who survived the Holocaust. In 1971 he graduated in Mathematics from Moscow University and emigrated to Israel. From 1972-1980 he taught Mathematics at Tel Aviv University, studied toward a doctorate and served in the army. Upon completing his PhD thesis in Applied Mathematics in 1980, he did postdoctoral research at the University of California at Los Angeles. In 1983 he was awarded fellowships from the Alfred P. Sloan Foundation and from the Igal Alon Foundation.

In the fall of 1983 Michelson returned to Israel and started to teach at the Hebrew University. There he learned about the codes in the Torah from his colleague and friend Dr. Eli Rips. This led him eventually, he says, "to do t'shuva".

Later he became involved in researching the Torah codes and lecturing about them (particularly in Los Angeles and Berkeley, California). Currently, Michelson is an Associate Professor of Mathematics at UCLA and at the Hebrew University. He lives now in Har Nof, Jerusalem, with his wife and three sons.

[Information Update! Michelson now (Jewish Year 5762=2002) teaches at the Weizmann Institute of Rehovot).]

What is Equal Interval Reading?

Let us eliminate the spaces between the words of the Torah (the Five Books of Moses) and consider the text as a sequence of letters. Now, starting from a certain letter, let us skip N-1 letters and read the N-th one, then again skip N-1 letters and read the N-th one, and so on. This will be called a reading with the interval N, The number N may also be negative, in which case the reading is backwards, Of course, besides the interval N one has to know where to start counting and how many intervals to go.

Figure 1

The Letters of Genesis Chapter 1:1 to Genesis 1:5 Torah/תורה

See the side of the chart to find the various locations of the above word in code.

תורה	line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
starting at letter 6 interval of +50	1	ה	ת	х	١	ם	,	מ	ש	ה	ת	×	ם	,	ה	ל	х	х	٦	ב	ת	,	ש	х	٦	ב
	line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
	2	ל	ע	٦	ש	Π	1	ו	ה	ב	١	1	ה	ת	ה	ת	,	ה	r	٦	×	ה	ו	۲	٦	×
	line	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
	3	נ	Ð	ל	ע	ת	Ð	Π	٦	מ	ם	,	ה	ל	×	П	٦	٦	٦	ם	٦	ה	ת	,	ב	Đ
	line	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76
	4	,	ה	,	١	٦	ו	×	,	ה	,	ם	,	ה	ל	х	٦	מ	×	,	٦	ם	,	מ	ה	,
	line	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
	5	,	١	ב	١	ט	,	כ	٦	١	х	ה	ת	×	ם	,	ה	ל	×	×	٦	,	١	٦	١	×
	line	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126
	6	,	١	٦	ש	Π	ה	7	,	ב	١	٦	า	х	ה	7	,	ב	ם	,	ה	ל	×	ל	7	ב
	line	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151
	7	,	ל	х	٦	7	٦	w	П	ל	١	ם	۱	,	٦	١	×	ל	ם	,	ה	ל	×	×	٦	ק
					197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176
					7	Π	×	ם	۱	,	٦	ק	ב	,	ה	,	١	ב	٦	ע	,	ה	,	า	ה	ל

The Translation of the Hebrew Text Cited Above

GENESIS CHAPTER 1

1. In the beginning G-d created the heaven and the earth. 2. Now the earth was unformed and void, and darkness was upon the face of the deep; and the spirit of G-d hovered over the face of the waters. 3. And G-d said: 'Let there be light.' And there was light. 4. And G-d saw the light, that it was good,' and G-d divided the light from the darkness .And G-d called the light 'Day', and the darkness He called 'Night'.

The Letters of Exodus Chapter 1:1 to Exodus 1:6 Torah/תורה

See the side of the chart to find the various locations of the above word in code.

תורה starting at letter 8 interval of +50	line	25	24	23 Ľ	22 ක	21	20	19	18	17 7	ו ₆	15	14	13 W	12	11	10	9	8	7	6 ත	5 W	4 ٦	3 خ	2	1
	line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26

	2	W	7	ב	ו	×	٦	١	Ж	ב	١	ת	,	ב	١	ש	,	Х	ב	7	ע	,	ת	Х	ה	מ
lin	e	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
	3	ב	٦	7	ל	ו	ב	7	٦	כ	w	w	,	ה	7	١	ה	,	٦	,	1	ל	7	١	ע	מ
lin	e	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76
	4	נ	ל	ح	,	ה	,	١	ר	w	×	١	7	ړ	,	ל	ת	פֿ	1	١	7	7	7	מ	,	נ
lin	e	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
	5	٥	ו	,	ו	w	5	נ	ם	,	ע	ב	ש	ב	ק	ע	,	٦	٦	,	,	х	z	,	ש	٩
lin	e	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126
	6	١	,	п	×	ל	כ	٦	٦	٥	١	,	ת	מ	,	١	ם	,	٦	צ	מ	ב	ה	,	ה	٦
																161	160	159	158	157	156	155	154	153	152	151
																х	1	ה	ה	٦	1	7	ה	ל	כ	٦

The Translation of the Hebrew Text Cited Above

EXODUS CHAPTER 1

- 1. Now these are the names of the Sons of Israel, who came into Egypt with Jacob; every man came with his household: 2. Reuben, Simeon, Levi, and Judah;
- 3. Issachar, Zebulun, and Benjamin; 4. Dan and Naphtali, Gad and Asher. 5. And all the souls that came out of the thigh of Jacob were seventy souls; and Joseph was in Egypt already. 6. And Joseph died, and all his brethren, and all that generation 7. And the children of Israel were fruitful and increased abundantly, and multiplied and grew exceedingly mighty and the land was filled with them.

The Letters of Leviticus
Chapter 1 verse 1
The ineffable 4 lettered
name of G-d
See the side of the chart to
find the various locations of
the above word in code.

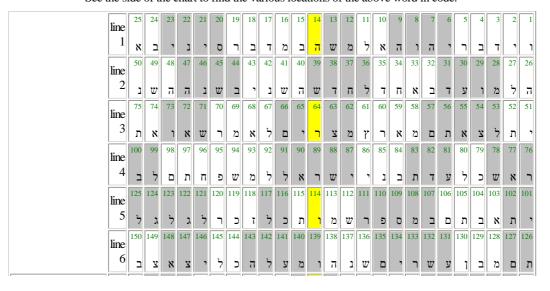


The Translation of the Hebrew Text Cited Above

LEVITICUS 1 Chapter 1

1. And the L-rd called unto Moses, and spoke unto him out of the tent of meeting, saying:

The Letters of Numbers 1:1 to Numbers 1:3 $Torah/\pi$ See the side of the chart to find the various locations of the above word in code.



מורה starting at letter 164 interval of -50 line representation at letter 164 interval of -50 line starting at letter 164 interval of -50 line representation at letter 164 interval of -50 line representation in the starting at letter 164 interval of -50 line representation in the starting at letter 164 interval of -50 line representation in the starting at letter 164 interval of -50 line representation in the starting at letter 164 interval of -50 line representation in the starting at letter 164 line representation in the starting at lett

The Translation of the Hebrew Text Cited Above

Numbers 1:1 to Numbers 1:3

1. And the L-rd spoke unto Moses in the wilderness of Sinai, in the tent of meeting, on the first day of the second month, in the second year after they were come out of the land of Egypt, saying: 2. 'Take the sum of all the congregation of the children of Israel, by their families, by their fathers' houses, according to the number of names, every male, by their polls; 3. from twenty years old and upward, all that are able to go forth to war in Israel: you shall number them by their hosts, you and Aaron.

The Letters of Deuteronomy Chapter 1:1 to Deuteronomy 1:8 Torah/תורה

See the side of the chart to find the various locations of the above word in code.

line 1
1
Image
2 0 7 1 8 7 7 7 7 8 7 7 8 7 7
line 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 100
3
line 100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81 80 79 78 77 76
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225 224 223 222 221 220 219 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 203 202 201
line
מריאשריושבבחשבוןואתעוגמלך 9
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ברהירדן בארץ מואבהואיל משהבאבא 11
line 300 299 298 297 296 295 294 293 292 291 290 289 287 286 285 284 283 282 281 280 279 278 277 276
ר א ת <mark>ה</mark> תורה הזא תלא מריהוה אל הינ 12
line 325 324 323 322 321 320 319 318 317 316 315 314 313 312 311 310 309 308 307 306 305 304 303 302 301
ו דבר אלי נובחרבל אמררבל כם שבת 13
line 350 349 348 347 346 345 344 343 342 341 340 339 338 337 336 335 334 333 332 331 330 329 328 327 326
ב ה <mark>ר</mark> ה ז ה פנון סעול כםוב או הר ה א מ ¹⁴
line 375 374 373 372 371 370 369 368 367 366 365 364 363 362 361 360 359 358 357 356 355 354 353 352 351
ריואל כל שכניובערבהבה רובשפל 15
line 400 399 398 397 396 395 394 393 392 391 390 389 388 387 386 385 384 383 382 381 380 379 378 377 376
ה ו ב נגבו ב חוף הים ארץ הכנעניו ה 16
line 425 424 423 422 421 420 419 418 417 416 415 414 413 412 411 410 409 408 407 406 405 404 403 402 401
לבנון עד הנהר הגדלנהר פרתר אהנ ¹⁷
450 449 448 447 446 445 444 443 442 441 440 439 438 437 436 435 434 433 432 431 430 429 428 427 426
tarting at letter 426 me
interval of -49 10 7 7 7 7 7 7 7 7 7
line 19 3 474 473 472 471 470 409 400 400 400 403 403 403 403 403 403 403
ארץ א שרנשבעי הוהלא בתיכם לא בר ר ¹⁹

Let us ma under inv

The Translation of the Hebrew Text Cited Above

1. These are the words which Moses spoke unto all Israel beyond the Jordan; in the wilderness, in the Arabah, over against Suph, between Paran and Tophel, and Laban, and Hazeroth, and Di-zahab. 2. It is eleven days' journey from Horeb unto Kadesh-barnea by the way of Mount Seir. 3.And it came to pass in the fortieth year, in the eleventh month, on the first day of the month, that Moses spoke unto the children of Israel, according unto all that the L-rd had given him in commandment unto them; 4. after he had smitten Sihon the king of the Amorites, who dwelt in Heshbon, and Og the king of Bashan, who dwelt in Ashtaroth, at Edrei; 5. beyond the Jordan, in the land of Moab, took Moses upon him to expound this law, saying:

6. The L-rd our G-d spoke unto us in Horeb, saying: 'Ye have dwelt long enough in this mountain; 7. turn you, and take your journey, and go to the hill-country of the Amorites and unto all the places nigh thereunto, in the Arabah, in the hill-country, and in the Low-land, and in the South, and by the sea-shore; the land of the Canaanites, and Lebanon, as far as the great river, the river Euphrates. 8. Behold, I have set the land before you: go in and evict (the inhabitants) from the land that the L-rd swore to your fathers, Abraham, Isaac, and Jacob, to give to them and to their seed after them.

This article is one of a series of articles about G-d and Torah at http://www.vilnagaon.org/

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Let us make things more clear by showing a few examples. If we start with the first letter ח that appears in Genesis (i.e. the ח of אבראשית, [= letter 6 in Figure 1]) and skip 49 letters, we arrive at the letter ווירא in מהום [letter 56, Figure 1]. Then we again skip 49 letters and arrive at the letter ווירא in מהום [letter 106, Figure 1] again skip 49 letters and arrive at the letter [letter 156, Figure 1].

Thus we find that the word חורה (Torah) is spelled out by 50-letter intervals right in the beginning of Genesis.

The number 50 has several important meanings in Judaism. Every fiftieth year is a jubilee year; the Torah was given 50 days after the exodus from Egypt; and there are also 50 gates of wisdom.

The above example is a part of a larger pattern found by Rabbi Michael Dov Weismandel about 40 years ago (Press here to see Figure 1 in a separate window). Namely, in Exodus (the second book of the Torah) the word חורה is again spelled out by a 50-letter interval beginning with the very first letter ח in the book (i.e. the ח of האלה שמוח letter 8 of Exodus, in Figure 1). In Leviticus (the third book) הורה is spelled out in intervals: In Numbers (the fourth book of the Torah), the word אחרה is spelled out backwards by the interval -50, starting with the letter 14 in the chart for the Book of Numbers) in the first verse of the book. Finally, in Deuteronomy (the last of the Five Books of Moses) חורה is again spelled backwards, but this time starting from the fifth verse in the book (instead of the first) and at an interval of -49 (instead of -50).

What causes this deviation, and why is there no תורה spelled out at a 50-letter interval in the third book, Leviticus? The Vilna Gaon wrote in Aderet Eliyahu that Deuteronomy actually starts from the fifth verse, while each of its first four verses corresponds to the first four books. Indeed, the fifth verse reads: "On the other side of the Jordan, in the land of Moab, Moses undertook to expound the Torah. He said..." It is claimed that Moshe Rabbenu (Moses our Teacher) was given 49 out of the 50 gates of wisdom. Since the subsequent explanation of the Torah is given from the mouth of Moshe, the word תורה is spelled out at the beginning of Deuteronomy at an interval of -49.

At this point, a skeptical reader would exclaim that the whole system is nothing but a coincidence and the above explanation about 50 and 49 gates of wisdom was cooked up to tie several unrelated appearances of the word חור into a system. "I'm sure," this skeptic would continue. "You would be able to find such words and systems in any book." As the author of this review until recently was such a skeptic, the question of coincidence versus intentional design will be addressed most forcefully in this article. Meanwhile let us mention that on a statistical basis, the word מור in the stimate is based on the total number of letters in Genesis (78,064) and on the amount of the letters

ת (4152), ו (8448), ר (4793), ה (6283)

in the book. Indeed, π_{Π} appears three times in Genesis at the interval 50, which is what can reasonably be expected from any book of such length and of similar concentration of the letters π , π , π . There is however no reason why one of these three appearances should start with the very first π of the book and why this should happen both in Genesis and Exodus. As a matter of fact, the probability of such a coincidence is about one in three million!

The above is one of hundreds of patterns found in the Torah by Rabbi Weismandel during World War Two. After his death in 1957 (~Jewish Year 5717), his students published a book entitled *Torat Chemed* that showed just a handful of his findings. The rest of his findings were lost. Of course at that time there were no computers. Instead, Rabbi Weismandel's deep knowledge of Torah guided him in deciding what and where to seek.

As for the length of the intervals-most of his examples use the numbers 50 or 26, the latter being the gematria of the ineffable four-letter name of G-d (26=5+6+5+10=7-7-7). (The letter \overline{p} replaces the letter \overline{n} here so as not to use the Name in vain.)

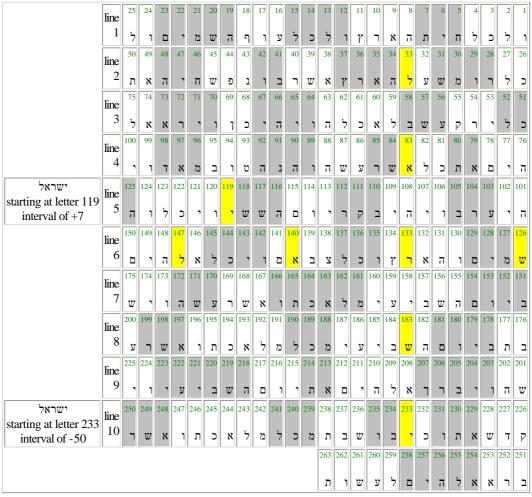
Later on, some of Rabbi Weismandel's followers continued his search, still working by hand. Rabbi Shmuel Yaniv and Avraham Oren and their students should be mentioned here. But the real breakthrough occurred in 1982 when the computer was put to work in this direction. Here most of the credit should be given to Dr Eli Rips of the Institute of Mathematics at the Hebrew University in Jerusalem. Rips was joined by Dr. Moshe Katz of the Haifa Technion and later by Doron Viztum of Jerusalem.

Let us make it clear. The computer does not have an intelligence to find meaningful patterns. Instead, it is used as a fast and accurate counting machine. The text under investigation is typed into the computer and stored there as an electronic file. A set of instructions then tells the computer to look for a certain word in the

For example, find all appearances of the word ישראל (Israel) in the first 10,000 letters of Genesis, at equal intervals ranging from -100 to 100. The computer then shows that the word is spelled out only twice, at intervals of 7 and -50, and is located in verses 1:31-2:3 (The relevant information is shown in Figure 2.

Figure 2

The Letters of Genesis Chapter 1:30 to Genesis 2:3 ישראל Israel The word is spelled out in code in intervals of +7 (119,126,133,140,147) and -50 (233,183,133,83,33)



The Translation of the Hebrew Text Cited Above

Genesis 1:30 to Genesis 2:3

30. and to every beast of the earth, and to every fowl of the air, and to every thing that creepeth upon the earth, wherein there is a living soul, [I have given] every green herb for food.' And it was so. 31. And G-d saw every thing that He had made, and, be-hold, it was very good. And there was evening and there was morning, the sixth day.

1. And the heaven and the earth were finished, and all the host of them. 2. And on the seventh day G-d finished His work, which He had made; and He rested on the seventh day from all His work, which He had made. 3. And G-d blessed the seventh day, and hallowed it; because that in it He rested from all His work, which G-d in creating had made.

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These are exactly the four verses that constitute the *kiddush*, which we recite over a cup of wine every Friday night to sanctify the Sabbath. This is astounding because seven and 50 are the only numbers related to Shabbat. Seven stands for both the Seventh Day of Creation and the seventh *year of shmita* when the land rests. After seven shmita cycles the land rests also on the fiftieth year, the jubilee year.

Is this merely coincidence? A simple calculation shows that the probability of the word ישראל appearing once at a given interval in the above verses is about 1 in 1200. The chance of two appearances at the intervals of 7 and 50 either backwards or forwards is about 1 in 400,000.

5

Another interesting example is shown in Figure 3.

Figure 3

The Letters of Genesis Chapter 38
Genealogy of King David
See the side of the chart to find the various locations of the words in code.

line

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line

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	line		1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301
	53	ת	נ	×	ל	7	כ	ל	ע	,	כ	,	1	מ	מ	ה	ק	7	צ	٦	מ	×	,	١	ה	7
	line		1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326
	54	1	ה	ת	ע	7	ל	7	1	ע	ף	ס	,	×	ל	ו	,	נ	ב	ה	ל	W	ל	ה	,	ת
	line	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351
	55	ה	נ	ט	ב	ב	ם	,	מ	١	Х	ת	ה	נ	ה	า	ה	ת	7	ל	ת	ע	ב	,	ה	,
David דוד Yishai שי	line	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376
1399 1379 -49 -49	56	ת	7	ל	,	מ	ה	Π	7	ת	1	7	,	7	ת	,	١	ה	ת	7	ל	ב	,	ה	,	1
	line	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401
	57	ש	×	٦	Х	z	,	ה	7	٦	מ	Х	ל	,	נ	ש	١	7	,	ל	ע	٦	w	ק	ת	١
	line	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426
	58	۱	,	Π	Х	Х	z	,	ה	נ	ה	۱	1	7	,	ב	,	ש	מ	כ	,	ה	,	1	ה	נ
	line	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451
	59	מ	w	Х	٦	ק	,	١	r	٦	5	٦	,	ל	ע	ת	z	٦	פֿ	ה	מ	٦	מ	Х	ת	١
	line	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476
	60	w	ה	ו	7	,	ל	ע	٦	v	Х	١	,	Π	Х	Х	צ	,	٦	П	Х	١	r	٦	5	١
														1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501
														п	٦	7	١	מ	w	х	۲	ק	,	۱ ا	,	נ

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The text, Genesis 38, tells the story of Yehuda and Tamar, who gave birth to Peretz and Zerach. From the Book of Ruth we learn that Boaz was descended from Peretz. Boaz married Ruth and had a son Oved, who had a son Yishai, the father of King David. It is natural to ask, then, whether King David and his lineage are hidden in the verses about Yehuda and Tamar. And indeed we do find the names

דוד and, ישי, and דוד

spelled out backwards at the same interval of -49. Moreover, they all appear in chronological order! We have already mentioned the importance of 49 being the seventh shmita, which is followed by the jubilee year. The number 49 is also related to the counting of the Omer, which starts on the second day of Pesach and ends a day before Shavuot. Each day of the Omer is named according to the descending order of the lower seven *sfirot*. The forty-ninth day of the Omer is thus called *Malchut sheb'Malchut* (Kingdom of the Kingdom). Could there be a name that better fits David, the king of kings? Furthermore, Shavuot is the very day that David was born and died. It is also the holiday on which the Book of Ruth is traditionally studied.

Could this example also be a coincidence? It is easy to estimate the probability of such an event. After counting the total numbers of letters in Genesis 38 and calculating the relative proportion in which each letter of the alphabet appears in this total, we conclude that the probability of בעז appearing in our chapter at a given interval is 0.02. (That is assuming that on the level of equal intervals the text is random.) Similarly, for the other four names the probabilities are 0.63, 0.65, 0.76 and 0.25. The odds for all five names to show, up at a given interval are about 1 in 6500. If we also request that the names line up in chronological order, the chances are reduced to 1 in 800,000. Now, if the interval 49 is claimed to be as significant as -49, and as 50 and -50, then these three possibilities would increase the chances to 1 in 200,000. This is still quite an impressive number!

Let us turn to the third example in Figure 4 taken from the passage about Jacob's dream of the ladder reaching to heaven.

Figure 4

The Letters of Genesis Chapter 28:10 to Genesis 28:17

ם Place (+26) מקום ס

ניון ⊒ Zion (-26)

■ התורה The Torah (+26)

■ מקדש Temple (-26)

See the side of the chart to find the various locations of the above words in code. (Note: * The Hebrew letter \(^2\) when it appears at the end of a word looks like this \(^2\) * The Hebrew letter \(^1\) when it appears at the end of a word looks like this \(^1\))



א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש א 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש א 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש א 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש א 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש ש 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש ש 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש ש 3 א ב נ י ה מ ק ו ם ו י ש ם מ ר א ש ת י ו ו י ש מ ק ו ם ו י ש ם מ ר א ש ת י ו ו ו י ש ש 3 א ב נ י ה מ ק ו ם ו ו י ש ם מ ר א ש ת י ו ו ו י ש ש 3 א ב נ י ה מ ק ו ם ו ו י ש ם מ ר א ש ת י ו ו ו י ש ם מ ר א צייון ו י ש מ ה י ו ו ו י ש ם מ ר א ש מ ה י ו ו ו י ש ם מ ר א צייון ו י ש מ ה י ו ו ו י ש ם מ ר א צייון ו י ש מ ה י ו ו ו י ש מ ה י ו ו ו י ש ם מ ר א צייון ו י ש מ ה י ו ו ו י ש מ ה י ו ו ו י ש מ ה י ו ו ו י ש מ ה י ו ו ו י ש מ ה י ו ו ו י ש מ ה י ו ו ו ו י ש מ ה י ו ו ו ו י ש מ ה י ו ו ו ו י ש מ ה י ו ו ו ו י ש מ ה י ו ו ו ו ו ו ו ו י ש מ ה י ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו ו		
	מ	П
	77	76
starting at letter 100 1	בוו	ב
line 125 124 123 122 121 120 119 118 117 116 115 114 113 112 111 110 109 108 107 106 105 104 103	102	101
- צ ה ו ר א ש ו <mark>מ</mark> ג י ע ה ש מ י מ ה ו ה ב ה מ ⁵	ı x	ב
line 150 149 148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128		=
ביאל הים עליםויר דים בווהנה 6	א	ן ל
line 175 174 173 172 171 170 169 168 167 166 165 164 163 162 161 160 159 158 157 156 155 154 153	3 152	151
7 ,	הו	٠,
התורה 200 199 198 197 196 195 194 193 192 191 190 189 188 187 186 185 184 183 182 181 180 179 178	177	176
starting at letter 190 א ב ר ה ם א ב י ר ו א ל ה י י צ ח ק ה א ר ץ א א	,	ה
225 224 223 222 221 220 218 217 216 215 214 213 212 211 210 209 208 207 206 205 204 200	202	201
line 9 את השכבעלי הלך אתננה ולז רעך		ש
250 249 248 247 246 245 244 243 242 241 240 239 238 237 236 235 234 233 232 231 230 229 225		_
	, ה	١
line 275 274 273 272 271 270 269 268 267 266 265 264 263 262 261 260 259 258 257 256 255 254 253		251
מהוצפנהונגבהונברכוברכלמ 11	7	ק
line 300 299 298 297 296 295 294 293 292 291 290 289 288 287 286 285 284 283 282 281 280 279 278		276
מת ה א ד מ ה ו ב ז ר ע ך ו ה נ <mark>ה א נ כ י ע מ 12</mark>	פֿו	w
line 325 324 323 322 321 320 319 318 317 316 315 314 313 312 311 310 309 308 307 306 305 304 303	302	301
שמרתיך בכלא שרתלךו השבתיך א 13	, ,	٦
line 350 349 348 347 346 345 344 343 342 341 340 339 338 337 336 335 334 333 332 331 330 329 328	327	326
ארמה הזאת כילא אעזבך עד אשר א ¹⁴	ה	ן ל
line 375 374 373 372 371 370 369 368 367 366 365 364 363 362 361 360 359 358 357 356 355 354 353		
שי תיאתאשרדברתילדוי, קיץיע 15	, ע	ם
מקדש line 400 399 398 397 396 395 394 393 392 391 390 389 388 387 386 385 384 383 382 381 380 379 378	377	376
starting at letter 398 16 16 16 16 16 16 16 1	ב	ק
line 425 424 423 422 421 420 419 418 417 416 415 414 413 412 411 410 409 408 407 406 405 404 403	402	401
ו הואנכילאי דעתיוייראויאמ 17	ה :	ם
line 450 449 448 447 446 445 444 443 442 441 440 439 438 437 436 435 434 433 432 431 430 429 428	3 427	426
הנוראה מקום הזה אין זה כיאם ב 18	מו	ר
468 467 466 465 464 463 462 461 460 459 458 457 456 455 454 455		
	ת	

The Translation of the Hebrew Text Cited Above

Genesis 28:10-17

10. And Jacob went out from Beersheba, and went toward Haran.11. And he lighted upon the place, and tarried there all night, because the sun was set; and he took one of the stones of the place, and put it under his head, and lay down in that place to sleep. 12. And he dreamed, and behold a ladder set up on the earth, and the top of it reached to heaven; and behold the angels of G-d ascending and descending on it. 13. And, behold, the L-rd stood beside him, and said: I am the G-d of Abraham thy father, and the G-d of Isaac. The land whereon thou liest, to thee will I give it, and to thy seed. 14. And thy seed shall be as the dust of the earth, and thou shalt spread abroad to the west, and to the east, and to the north, and to the south. And in thee and in thy seed shall all the families of the earth be blessed. 15 And, behold, I am with thee, and will keep thee whithersoever thou goest, and will bring thee back into this land; for I will not leave thee, until I have done that which I have spoken to thee of. 16. And Jacob awaked out of his sleep, and he said: 'Surely the L-rd is in this place; and I knew it not. 17. And he was afraid, and said: 'How full of awe is this place! This is none other than the house of G-d, and this is the gate of heaven.'

When Jacob awoke from his sleep he said, "Surely the L-rd is present in this place, and I did not know it!" (Genesis 28:16). Where was this place? Rashi (the major commentator on the Torah) writes that it was Mount Moriah where the Temple later was built. Relying on the commentaries, Dr. Moshe Katz decided to check for the word מקדש (Temple). Indeed, מקדש appears through the important interval of -26, starting with the a of the word מקדם (Figure 4, letter 33) in the above verse. However, if we continue to count at -26 intervals after thew of מקדש, we find another five-letter word, התורה (the Torah) spelled forwards. Thus the two cornerstones of Judaism, מקדש and מקדש, are spelled as one continuous sequence of nine letters at an interval of 26 (which is, to repeat, the numerical value of the Tetragrammaton). The probability of such an event (for a fixed position of the first ביין (Zion) and such an event (for a fixed position of the first ביין (Zion) and מקום (place) spelled out at 26-letter intervals.

9

The Letters of Genesis Chapter 37:2 to Genesis 37:12 The Hidden Meaning of the Dream of Joseph (line 23) line line 2 Z line 3 line ם ٥ line 5 מ line 6 line 7 line ת × 215 214 213 212 211 210 line 9 П ٥ line 10 line 11 ם line 12 מ line 13 ת ם ה א הנ Z ב ות מ line 14 ת line 15 מ ת line 16 line 17 line 18 П פ ם ת ٥ line 19 line 20 vמ ם \mathbf{w} ¥ ב line 21 line 22 ה מ מ Х Rachel is dead! רחל מתה 563 line spelled by the letters מ underneath the red numbers [552 to 557] Starting in line 23, letter 562 590 589 588 587 586 585 בלהה Bilhah П שת Z appears in intervals of -156

line	625	624 6	623 62	2 621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601
25	ל	٦	7	7 8	١	כ	ל	,	ן	٦	ב	7	ה	ת	Х	٦	מ	w	ו	,	ב	Х	١	1
							643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626
							ם	כ	w	ב	ם	ה	,	ב	×	7	х	צ	ת	×	ת	1	ע	٦

The Translation of the Hebrew Text Cited Above

Genesis 37:2 to Genesis 37:12

2. These are the generations of Jacob, Joseph being seventeen years old, was feeding the flock with his brethren; and the lad was with the sons of Bilhah, and with the sons of Zilpah, his father's wives: and Joseph brought to his father their evil report. 3. Now Israel loved Joseph more than all his children, because he was the son of his old age; and he made him a coat of many colors. 4. And when his brethren saw that their father loved him more than all his brethren, they hated him, and could not speak peaceably unto him. 5. And Joseph dreamed a dream, and he told it to his brethren; and they hated him yet the more. 6. And he said unto them: 'Hear, I pray you, this dream which I have dreamed: 7. for, behold, we were binding sheaves in the field, and, lo, my sheaf arose, and also stood tip-right; and, behold, your sheaves came round about, and bowed down to my sheaf.' 8. And his brethren said to him: 'Shalt thou indeed reign over us? Or shalt thou indeed have dominion over us?' And they hated him yet the more for his dreams, and for his words. 9. And he dreamed yet another dream, and told it to his brethren, and said: 'Behold, I have dreamed yet a dream: and, behold, the sun and the moon and eleven stars bowed down to me.' 10. And he told it to his father, and to his brethren; and his father rebuked him, and said unto him: What is this dream that thou hast dreamed? Shall I and thy mother and thy brethren indeed come to bow down to thee to the earth?' 11. And his brethren envied him; but his father kept the saying in mind. 12. And his' brethren went to feed their father's flock in Schem.

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The next example in Figure 5 (found by Moshe Katz) is related to Joseph's second dream in Genesis 37:9-10: "Here I had another dream and here the sun and the moon and eleven stars are bowing down to me". On hearing this, Jacob asked his son, "What is this dream you have dreamed? Are we to come, I and your mother and your brothers, and bow low to you to the ground?" Rashi explains what Jacob meant: "the mother [Rachel, represented by the moon in the dream] had already died, and Jacob did not know that it referred to Bilhah [Rachel's maid] who raised Joseph as if she were his mother." If we run on together three of the words within Jacob's rebuke,

אשר חלמת הבוא

we read within this string of letters

רחל מתה

(Rachel is dead.)

Now let's look for בלהה (Bilhah) in the same chapter. The computer found two appearances of this word, both starting with the ב in the word that comes directly after

. אשר חלמת הבוא

One occurs at an interval of -99 and the other at -156. We will not elaborate here on how the number 99 relates to the matriarchy; however 156 is the gematria of יוסף namely 80=ס 60=ס 60=יוסף Joseph's name

80+60+6+10=156.

There are hundreds of equally impressive examples which, are not shown here due to the limited scope of this review. However, on the basis of the material presented, we again ask: are the above systems a mere coincidence or are they deliberately planned? The skeptic must concede that the odds for each individual system are very small. However, there are millions of different stories in which we can look for these patterns, so that occasionally some of them occur at small odds. Likewise in a lottery there are millions of players and a few winners. The truth of the matter is that only three to four people have been searching mainly the book of Genesis by computer for the last two years. They explored perhaps a few thousand words and systems with an astounding success ratio. Nevertheless, to counter the above argument on a statistical basis we have to find story-independent phenomena, which can be checked automatically by computer and compared with other texts. The following example will be used to demonstrate such a general phenomenon. This particular example is also important from a historical perspective since it marks the beginning of the "computer era" in the Study of Torah.

A ''Hidden'' Aaron in Leviticus

Our story starts in 1982. Avraham Oren of Kibbutz Sde Eliyahu was exploring the beginning of the first chapter of Leviticus manually to find out if אהרך (Aaron) is spelled out there at equal intervals. Why Aaron and why Leviticus? Leviticus discusses mainly the work of the *cohanim*, the priests; and Aaron, being the *Cohen* Gadol (High Priest) is the main hero of the book. Nonetheless, in the first open chapter (Parasha P'tucha) of Leviticus Aaron is not mentioned even once. Instead, the phrase "the sons of Aaron" is repeated four times. Being familiar with the work of Rabbi Weismandel, Oren naturally wondered if אהרן was hidden inside the chapter in equal intervals. And indeed he found quite a few. When he showed his findings to Dr. Eli Rips of the Hebrew University, the latter typed the whole chapter on the computer and asked it to find all appearances of אהרן therein.

The result of this search is shown in Figure 6.

Figure 6

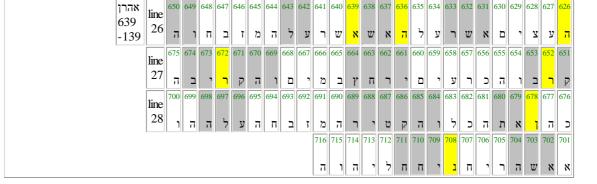
The Letters of Leviticus Chapter 1:1 to Leviticus 1:13 אהרן Aaron

See the side of the chart to find the various locations of the word Aaron in code.

(Note: The Hebrew letter 1 when at the end of a word appears in the following form 1)

line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
1	×	מ	1	,	ל	×	ה	١	ה	,	٦	ב	7	,	١	ה	ש	מ	ל	×	×	٦	ק	,	۱

	אהרן 47	אהרן 47	אהרן 39	line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
	+180		+150	2	х	١	ל	×	٦	ש	_,	,	3	ב	ל	×	٦	ב	7	٦	מ	х	ל	7	ע	١	מ	ל	ה
				line	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
			אדרג	3	ל 100	99	98	97	ج 96	ם 95	94	ත 93	92	91	<mark>٦</mark> 90	ج 89	88	87	ک 86	85	84	83	82	81	ל 80	79	ת 78	77	מ 76
			אהרן 98	line 4	_	,				,		,	ר ר									ב					,		,,
			+141 אהרן	ļ.,	125	124	123	122	121	120	מ 119	118		ج 116	115	114	Ë	מ 112	ה 111	מ 110	109		ה 107	106	מ 105	104	103	102	101
			114 +36	line 5	7	מ	١	נ	ב	ן	ק	ה	ל	ע	ם	8	ם	ב	נ	ב	٦	ק	ת	×	1	ב	,	٦	ק
			+30	line	150		148	147	146	Ш				141	140			137			134			131	130	129	128	127	126
				6	ה	х	Π	ת	פֿ	ל	×	1	נ	ב	,	٦	ק	,	ם	,	מ	ת	ר	٥	7	٦	ק	ב	ה
				line	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151
				7	200	ה 199	198	197	1 196	5 195	ל 194	193	192	لا 191	ר 190	ל 189	188	ת 187	1 86	185	184	ר 183	ק 182	181	7 180	لا 179	1 178	מ 177	ל 176
				line 8	ל ל	,	ל.		צ	٦,	נ	,		ر			ש	×	7	ל	ע	1	7	,	7			,	
			אהרן		225	224	223	ה 222	221	220	219	218	ה 217		لا 215	214		=	211	=	209	208		206	205	204	203	202	201
			212 +136	line 9	ה	,	,	נ	פ	ל	٦	٦	ב	ה	1	ב	ת	×	ט	п	ש	۱ ا	1	,	ל	ע	٦	5	כ
			אהרן	line	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
			248 -4	10	ה	ת	Х	ם	,	נ	ה	כ	ה	1	٦	ה	×	,	נ	ב	۱ ا	ב	,	٦	ק	ה	۱	ה	1
				line	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251
				11	ש	Х	ב	,	ב	ס	п	ב	7	מ	ה	ל	ע	ם	7	ה	ת	×	<u>ា</u>	ק	<u>ا</u>	7	١	ם	7
			אהרן 293	line 12	300	299	298		296	295	294	293	292	291	290	289	288	287	286	285	284	283		281	280	279	278	277	276
			+109	12	325	324	222	ל 322	ע 321	320	ת 319		217	216	215	214	712	312	211	<u>لا</u>	300	מ 308	ל 307	306	305	304	ת 303	302	301
	אהרן 303	אהרן 303	303	line 13							319									310			307						_
	-87	+62	+18		350	349	348	347	346	345	344	343	342	341	340	ת 339	\sqsubseteq	337		335	334	333	332	ל 331	330	ת 329	328	7 327	326
				line 14	ש	х	ה	ל	ע	ם	١,	צ	ע	۱	ב	٦	ע	1	п	ב	7	מ	ה	ל	ע	ש	×	7	ה
הרן אהרן	11.	אהרן		line	375	374	373	\equiv		370	369	\equiv		366	365		363		361	360	359	358	357		355	354	353	352	
369 359 -4 -64		359 +76	359 -78	15	,	Π	ת	נ	ה	ת	×	ם	,	נ	ה	כ	ā	7	٦	ה	×	,	נ	ב	1	כ	٦	ע	١
			אהרן 381	line	400	399	398	397	396	395	394	393	392	391	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376
			-21	16	ע	٦	w	×	ם	١,	צ	ע	ה	ל	ע	٦	7	٥	ה	ת	х	1	w	×	٦	ה	ת	×	ם
		אהרן 405	אהרן 403	line	425	424	423	422	421	420	419	418	417	416	415	414	413	412	411	410	409	408	407	406	405	404	403	402	401
		-26	-32	17	450	440	ע 448	٦ 447	ے 446	ا 445	444	443	442	7	1	130		437	カ 436	ה 435	ל 434	لا 433	122	421	430	W 429	428	7 427	ל 426
				line 18												- 37	438				434		,				_		420
				Щ	מ 475	ี 474	ל 473	472	_	л 470	469	_	ਜ 467	466	A65	464	463	ර 462	7 461	ה 460	459	458	457	ね 456	455	454	453	452	451
				19	×	١	ה	ו	ה	,	ל	Π	1	Π	,	נ	п	,	٦	ה	w	х	ה	ל	ע	ה	п	ב	ī
			אהרן 496	line	500	499	498	497	496	495	494	493	492	491	490	489	488	487	486	485	484	483	482	481	480	479	478	477	476
			-6	20	ה	7	מ	١	×	ם	,	ב	ש	٥	ה	7	מ	1	נ	ב	_	7	7	×	צ	ה	7	מ	ם
				line 21			523	522	521	520	519	518	517	516		514		512	511		509	508			,	504	503	502	501
					550	549	548	547	546	545	544	543	٦ 542	541	540	539	ි 538	ת 537	536	535	534	ה 533	ל 532	لا 531	530	529	528	527	لا 526
				line 22	١	ה	,	,	נ	9	ל	ה	נ	פֿ	צ	п	ב	7	מ	ה	٦	٦	,	ל	ע	١	ת	×	ט
			אהרן 570	line	575	574	573	572	571	570	569	568	567	566	565	564	563	562	561	560	559	558	557	556	555	554	553	552	551
			570 -4	23	ע	١	מ	7	ת	×	ם	,	נ	ה	כ	ה	7	٦	ה	х	,	נ	ב	ו	ק	٦	7	1	ה
		אהרן 600	אהרן 600	line	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576
		+36	+26	24	×	ו	١	,	Π	ת	1	ל	ا ا	ת	Х	Π		נ	١	ב		ב	ס	Π	ב	7	מ	ה	ל
			אהרן 621	line 25	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601
			-44		ל	ע	ם	ת	X	ľ	ה	כ	ה	<u> </u>	ר	ע	ן	1	٦	7	פֿ	ת	*	ן 	ו	ש	×	٦	ת _



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There are all together 25 hidden "Aarons" not counting the explicit ones. The left side of Figure 6 shows the location of the start of all the hidden Aarons (namely the letter א of אהרן) together with the equal length interval that separates the first letter from the second, the second from the third, and the third from the fourth. (As previously, negative numbers mean counting backwards.) In this example we are not selecting a specific meaningful interval like 26 or 50. Instead, the computer checks all intervals from 2 to 235 (the maximum possible in this chapter) forwards and backwards from every א, hunting the word אהרן.

When Rips received the results, he was overwhelmed by the large number of total appearances: 25. In the 716-letter long section, containing the first 13 sentences of Leviticus, there are

55 א's, 91 ה's, 55 ה's 47 s's.

In a case of random distribution of these letters in the chapter, a statistician would expect only eight appearances of Aaron. Moreover, he would say that the probability of finding 25 or more hidden "Aarons" is about 1 over 400,000. That means that 400,000 pages of text like the one in Figure 6 would have to be searched until 25 or more hidden) אהרן 's would be found on one page.

A linguist could counter that the letters of biblical Hebrew are correlated so that the language "likes" אהרן more than would be expected. Notice, however, that 12 אהרן more going backwards, and it is not clear why the "forward" language should like them. And if so, then it should like other combinations of אָה,ר,ן we equally well. To check this, Rips took all 12 possible combinations (there are 2x3x4=24, but forward and backward count as one) and performed on them the same experiment as was done on the word אַהרן. In the lower part of Figure 7 we see the results of the experiment.

			Figu	ıre 7		<mark>1</mark> ←	<mark>ר</mark> —	\leftarrow	- <mark>ה</mark> •	<u>~ 8</u>	•	
	x\y	-5	-4	-3	-2	-1	0	1	2	3	4	5
	-5	5	9	10	6	7	11	8	7	5	9	9
	-4	9	5	5	8	8	8	9	7	8	2	9
	-3	5	10	7	3	4	8	2	5	3	4	10
	-2	5	8	5	8	6	10	4	5	6	3	7
	-1	8	7	9	4	8	10	7	7	11	8	9
	0	9	8	14	6	8	25	5	8	4	6	15
	1	8	5	10	11	7	6	8	8	5	5	10
	2	9	4	10	9	5	8	8	7	5	9	9
	3	5	11	8	12	9	5	5	4	12	5	8
	4	11	9	6	4	6	9	6	7	8	7	6
	5	4	8	11	5	8	9	7	8	6	6	9
	0									0	0	0
l •	9	6	ϵ	<u> </u>	5	6	5		7	9	8	8
נא	נארה	אנה	זהן ר	ר רא:	האנ	הארן	נהר	ה א	ז אנו	ארנז	ארהן	זהנר
	.,,_	,,_,,	. ,,,,		,,,,	,,		.,,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	

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The meaningless letter combination אהנר appears in the text 8 times, as does ארהן. The other results of 9,7,5 and so on center around 8 with a deviation of ± 3 in a complete agreement with the statistics. Only אהרן stands out in contrast to this agreement.

The next experiment is shown in the upper part of Figure 7. As is well known, in Hebrew there is a short and a full spelling. Sometimes the same words are spelled fully and other times in short form within the Torah. A change in the spelling would make equal intervals non-equal. Thus there is no reason why the text should

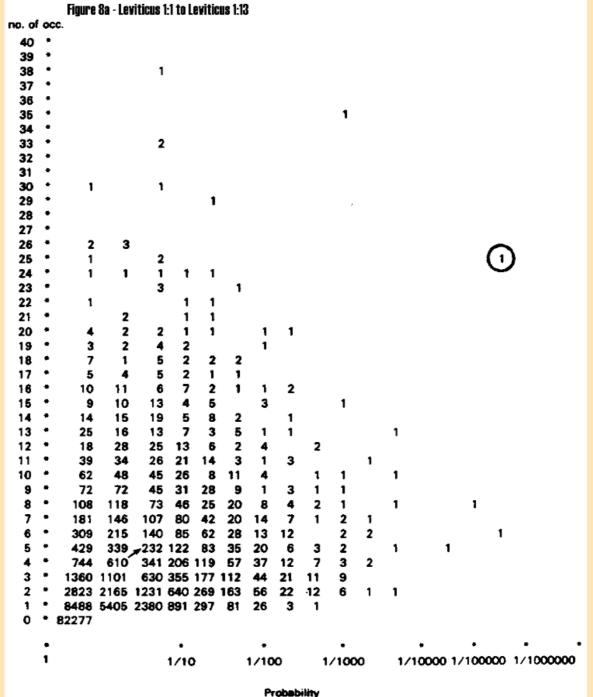
n n n → n → ←

over

prefer

So we fix the numbers x and y and let the computer search for אהרן with all possible n (i.e. from 2 to 235). The numbers x and y vary from -5 to 5 and for each pair x,y the total number of אהרן 's is shown in the table. We see that these totals vary from 2 to 15 with an average of 7.3 and a standard deviation of 2.4. The number 25 corresponding to x=y=0 (i.e. equal intervals) is 7.4 standard deviations away from the average! So indeed, our text "likes" Aaron at equal intervals.

But what about other words? Maybe they exhibit the same phenomenon? And what about other texts? For comparison Rips took all possible four-letter combinations of the Hebrew alphabet. As there are 22 letters, the total number of combinations, not distinguishing forward and backward spelling, is 22x22x22x22/2=117,128. He took each possible "word" out of the 117,128 possibilities-say אהרן and performed the same experiment on it as he did on אחרן, he let the computer find the number of times that this word appears in our chapter and compared the result with the statistically expected number of appearances. Suppose that for אחרן these numbers are correspondingly 5 and 3. Then he computed the probability of having 5 or more appearances instead of the expected 3. The result was 0.185.



Now turn to the table in Figure 8.

The vertical axis shows the number of appearances of a word, while the horizontal axis shows its probability (on a logarithmic scale). The number 232 in the sixth row, third column shows that 232 words out of 117,128 appeared five times in the text and the probability of them appearing that many times was about 1/10. Thus the word אבגד was counted among the 232. And similarly for the other numbers. As the probability decreases and the number of appearances increases,

there are fewer and fewer words in the table. The position of the word אהרן is shown by the circle. Obviously, Aaron is the winner of the competition!

There is just one other "word", יטעא (meaningless) with the same probability of 1/500,000 which appeared six times. Actually: all letter-combinations with a probability of less than 1/1000 turned out to be meaningless. There are also 12 words which appeared more often than אהרן but their probabilities are quite reasonable. Indeed, there are letters that appear more frequently and less frequently in our text. Words containing the more frequent letters should normally appear more often.

WWW.VILNAGAON.ORC

WWW, VILNAGAON, ORG

WWW.VILNAGAON.ORG

WWW, VILNAGAON, ORG

AGAON, ORG

in Figure 8b that the distribution of numbers is the same as above with only one exception - the circle which contained אהרן is now empty! Here again, no meaningful word passed a probability limit of 1/1000. This proves once again that the entire phenomenon of אהרן has nothing to do with the Hebrew language.

Perhaps the comparison with Agnon is unfair since his is a different, "modern" Hebrew. Ideally, a text should be chosen that is firstly canonic and secondly very close to the Torah. Professor Ben-Chaim of the Academy of the Hebrew Language came up with the excellent idea of using the Samaritan Torah. The Samaritans are thought to be the descendants of Kutim, the nations brought into Israel after the exile of the ten tribes in the seventh century BCE. Although influenced by the Jewish religion, they did not become part of the Jewish nation. There are still about 2000 Samaritans living in Nablus and Holon who possess a Torah different from ours. Actually, there are a number of differences among their own manuscripts, so it is hard to talk about an established Samaritan version. Nonetheless, a few years ago two Samaritans, the brothers, Tzdaka, published the most authentic version of the Samaritan text and compared it with our Torah.

AGAON.OR

Figure 9

Where the Text of the Traditional Jewish Version of Leviticus Chapter 1 Differs From the Samaritan

Version of Leviticus Chapter 1

Le the first 12 verses there are 18 resistant beautiful to the true texts different

In the first 13 verses, there are 18 points where the two texts differ.

		
Leviticus 1:2	אלהם	אליהם
	קרבנכם	קרבניכם
Leviticus 1:3	לרצנו	לרצונו
Leviticus 1:4		את [the word is absent form the Jewish Text]
Leviticus 1:6	והפשיט	והפשיטו
	ונתח	ונתחו
Leviticus 1:7	הכהן	הכהנים
Leviticus 1:8	את	ואת
Leviticus 1:9	ירחץ	ירחצו
	את [absent in Samaritan text]	
		[absent from the Jewish Text]
	ניחוח	ניחח
Leviticus 1:10		עלה [absent from the Jewish Text]
	לעלה [absent from the Samaritan Text]	
		אל פתח אהל מועד יקריב אתו [not in the Jewish Text]
Leviticus 1:11	צפנה	צפונה
Leviticus 1:12	ונתח	ונתחו
	וערך	יעריך
Leviticus 1:14	מן בני	מבני
Leviticus 1:15	ונמצה	ונמצא
Leviticus 1:16	מראתו בנצתה	מרתו בנצתו
	אתה	אתו
Leviticus 1:17	לא	ולא

Samaritan Text

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Jewish Text

Figure 9 shows where in the beginning of the book of Leviticus, our text of the Torah differs in spelling and in wording from the Samaritan text.

The "Aaron section" discussed above consists of the first 13 verses. (The differences between the two texts however, have been presented in Figure 9 up to verse 17.) In addition to an extra 20-letter phrase inserted into the tenth verse of the Samaritan text, there are 17 other points of difference (in the first thirteen verses). Otherwise, both texts tell the same story and in translation would read the same. So it was very interesting to see what effect these differences had on and behold, they destroyed 22 out of the 25 hidden "Aarons"! However, seven new "Aarons" surfaced. Thus the total became 10 instead of 25-in complete agreement with the statistics since the expected number is about 8 with a deviation of plus or minus 3.

At this point the skeptic is ready to admit that people could have done it deliberately. "You know," he says, "they had a lot of time to do this. The sages say that Rabbi Akiva used to count the letters of the Torah. So apparently there was such a tradition."

Let us explore this line of thought. Suppose somebody, say some of the priests themselves, planted these "Aarons" into the text. But for what purpose? To impress later generations? Until discovered by Avraham Oren and Eli Rips, this secret was absolutely unknown. Moreover, had it been discovered 40 years ago, nobody would have been impressed by it. Indeed, we must make all the comparisons to realize how extraordinary this phenomenon is; and it was impossible to do this before the advent of the computer. So our skeptic backs up and suggests that maybe the whole system of the "Aarons" is just another coincidence. "After all, why did you take the first chapter and why Aaron? There are so many chapters and so many important words you could have chosen so that even one success with a ratio of 1/400,000 is not at all remarkable!" We reply that Aaron is the most important word in Leviticus and intuitively the first chapter has preference over the other ones. However, the whole story of the "Aarons" was brought here not with the intention of showing another oddity but with the intention of demonstrating some general phenomena.

The Clustering Effect

After discovering the "Aarons", Rips obtained an electronic text of Genesis and started a systematic investigation. (The full electronic error-free text of the Torah became available to us only recently.) By the text of the Torah, unless stated otherwise, we always mean the traditional Ashkenazi Masoretic text published by Koren in Jerusalem. There is another text accepted among Yemenite Jews. These two versions were carried by two independent traditions for more than a thousand years. Yet, as we compare these texts, they differ only by 9 letters out of 304,805! Three of these nine appear in Genesis (which totals 78,064 letters). Further comparison may be sought in the various existent ancient manuscripts, for instance the 1,000 year-old Leningrad Codex written in Egypt (and named after the library that possesses it). As was shown recently by Dr. Mordechai Breuer in *Keter Aram Tzova*, this text differs from the Koren edition by 130 letters. Almost all of these 130 letters are contradicted by the majority of other manuscripts and, most important, by the Masoretic instructions. Nonetheless the Leningrad Codex is considered the "scientific text" of the Torah and is used by several universities for their databases. Clearly, even one missing or extra letter destroys the hidden words, which "leap" over it. However, the examples shown in this review appear in parts of Genesis not containing any of these contested letters and hence are not affected by them.

Let us now define the clustering effect. As we saw with "Aaron", the word was spelled explicitly (four times) in the same chapter where it appeared in a large

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Figure 10

The Letters of Genesis Chapter 1:1 to Genesis 3:1 עדן Eden

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WWW.VILNAGAON.ORG

WWW.VILNAGAON.ORG

WWW.VILNAGAON.ORG

See the side of the chart to find the various locations of the word Eden in code.

		No	ote: 7	Γhe l	Hebi	ew 1	ettei	r i w	hen	it ap	pear	s at t	he e	nd o	f a v	vord	lool	ks lik	te th	is 7						
	line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	1	ה	ת	х	١	ם	,	מ	ש	ה	ת	×	ם	,	ה	ל	×	×	٦	ב	ת	,	ש	Х	٦	ב
	line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
	2	ל	ע	٦	w	Π	١	<u> </u>	ה	ב	1	1	ה	ת	ה	ת	,	ה	۲	٦	×	ה	١	۲	اد	Х
	line	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
	3	100	5	ל 98	لا 97	ת 96	5 95	94	93	מ 92	<u>91</u>	90	ה 89	اخ 88	8 7	7 86	85	٦ 84	83	ם 82	81	٦ 80	ת 79	78	77	5
	line 4	100	,,,	76		,,,)3)3)2	<i>)</i> 1		87				83			02	01		,,			70
		125	124	123	122	121	120	119	118	117	116	115	114	113	ל 112	111	110	מ 109	108	107	106	105	104	מ 103	ה 102	101
	line 5	,	,	ב	,	מ	,	٥	٦	٦	×	ה	ת	×	ם	,	ה	ל	×	×	٦	,	,	٦	٦	×
	line	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126
	6	,	1	٦	ש	п	ה	7	,	ב	١	٦	١	Х	ה	7	,	ב	ם	,	ה	ל	х	ל	7	ב
	line	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151
	7	,	ל	х	٦	ק	٦	w	П	ל	ו	ם	١	,	٦	١	х	ל	ם	,	ה	ל	х	х	٦	7
	line	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176
	8	Х	,	١	7	Π	х	ם	_1	,	٦	ק	ב	,	ה	,	<u> </u>	ב	٦	ע	,	ה	_,	1	ה	ל
	line	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201
	9	250	249	248	247	246	ත 245	٦ 244	243	242	ת 241	240	لا 239	238	ק 237	236	235	ה 234	233	232	231	230	ל 229	X	227	ත 226
	line 10		249							242								234					229	220		220
עדן	10	275	274	ה 273	ל 272	271	270	لا 269	268	267	266	265	ත 264	ر 263	262	261	ත 260	259	258	257	خ 256	255	254	253	ත 252	251
257	line 11								200			*	204			*		237	250	*	250					
+4		300	ת 299	מ 298	297	296	295	294	293	ත 292	291	290	289	288	ל 287	286	285	284	283	لا 282	281	ج 280	279	ה 278	ת 277	276
	line 12	ע	,			ל	ל	,,	מ	_	ש		ם				,	,		,		,			ל	
	line	325	324	7 323	322	321	320	لا 319	318	317	316	315	314	313	מ 312	311	310	309	308	307	ਪ 306	305	マ 304	303	302	301
	13	ם	,	מ	ש	ע	,	ק	٦	ל	ם	,	ה	ל	×	х	٦	ק	,	١	7	ב	,	ה	,	١
	line	350	349	348	347	346	345	344	343	342	341	340	339	338	337	336	335	334	333	332	331	330	329	328	327	326
	14	_ ا	מ	х	,	١	,	1	w	ם	1	,	٦	7	ב	,	ה	,	١	ב	٦	ע	,	ה	,	1
	line	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361	360	359	358	357	356	355	354	353	352	351
	15	ත 400	ל 399	398	397	,	מ 395	W	7	ת 392	391	ת	מ 389	200	207	מ 386	385	384	383	ج 382	201	200	270	٦٦ 378	ל 277	376
	line 16		399	396	397	396	393		393	392		390		388	387			364		362	381	380	379	3/6	377	
		425	424	423	422	421	420	ה 419	418	417	416	415	414	413	412	411	410	409	ת 408	407	406	405	404	403	402	マ 401
	line 17		,	מ	ה	ה	١	ק	מ	ל	ו	۲	٦	8	ה	ש	ב	,	5	ם	,	ה	ر	×	×	٦
	line	450	449	448	447	446	445	444	443	442	441	440	439	438	437	436	435	434	433	432	431	430	429	428	427	426
	18	מ	х	,	١	ב	١	ט	,	٥	ם	,	ה	ל	х	х	٦	,	1	ם	,	מ	,	х	٦	7
	line	475	474	473	472	471	470	469	468	467	466	465	464	463	462	461	460	459	458	457	456	455	454	453	452	451
	19	ע	,	٦	7	מ	ב	ש	ע	х	w	7	r	٦	х	ה	х	w	7	ת	ם	,	ក	ל	х	٦
עדן 484	line	500	499	498	497	496	495	494	493	492	491	490	489	488	487	486	485	484 *	483	482	481	480	479	478	477	476
+41	20	ע	٦	7	٢	ש	×	ו	נ	,	מ	ל	,	۲	<u>ق</u>	ה	ש	ע		اح	و	۲	ע	ע	اد	7
	line	525 *	524	523	522	521	520	519	518	517	516	515 *	514	513	512	511	510	509	508	507	506	505	504	503	502	501
,	21	550	۲ 549	548	X 547	ה 546	X 545	ک 544	543	ת 542	541	540	539	538	537	536	535	۲ 534	533	X 532	531	أ 530	لا 529	528	527	526
עדן 535	line 22							344			341		,		331		*	334	-333	332						
-10		ה	v	ע	٢	ע	<u> </u>	ו	ה	נ	7	מ	ל	ע	ר [7	ע	,	ר	ī	מ		ש	ע	X	V

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עדן	line	575	574	573	572	571	570	569	568	567	566 *	565	564	563	562	561	560	559	558	557	556	555	554	553	552	551
559 +108	23	ה	ל	×	х	٦	,	١	١	ה	נ	,	מ	ל	١	ב	١	* ע	٦	7	٦	ש	×	,	٦	פֿ
	line	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576
	24	ש	ם	١	,	ר	ק	ב	,	ה	,	١	ב	٦	ע	,	ה	,	١	ב	ו	מ	,	٥	ם	,
	line	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601
	25	,	ק	٦	ב	ת	_ ا	х	<u>ත</u>	,	ה	,	ם	,	ה	ל	х	٦	מ	х	,	1	,	ש	,	ל
	line	650	649	648	647	646	645	644	643	642	641	640	639	638	637	636	635	634	633	632	631	630	629	628	627	626
	26	ל -	7	7	672	2	670	۵ (60)	668	,	٦	665	,	٦	ל 662	661	7	659	7	ر	656	655	ත 654	W 652	7	꼬 651
	line 27	675	674	673	672		670	669	008	667 *	666	003	664	663		661	660		658	657	030		654	653	652	031
		700	699	ත 698	697	ر 696	695	694	693	692	ਇ 691	690	889 689	ל 688	687	ת 686	ת 685	684	ر 683	682	681	ה 680	679	678	7 677	676
	line 28		,	מ	ש	ה	ע	,	ק	٦	ב	ת	٦	,	х	מ	ל	٦	,	ה	٦	ם	,	ו	ש	
	line	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701
	29	,	ה	ל	×	ש	ע	,	١	7	ב	,	ה	,	١	r	٦	х	ה	ל	ע	٦	,	х	ה	ל
	line	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726
	30	ה	٦	١	×	מ	ה	ת	×	ם	,	ל	7	ړ	ה	ת	٦	×	מ	ה	,	נ	w	ת	х	ם
	line	775 *	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751
	31	7	ט	م	ה	7	1	8	<u>م</u>	ה	ת	700	700	ם	1	705	ה	ת	ל	w	מ	מ	ל	ל	7	۱
	line 32	800	799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	784	783	782	781	780	779	778	777	776
	32	825	824	823	822	821	820	819	818	817	816	815	ת 814	813	812	811	ל 810	809	ל 808	807	ת 806	ر 805	804	803	802	ל 801
	line 33							<u> </u>				ש							ם			ל				
	line	850	ਪ 849	848	847	846	845	844	843	842	841	840	839	لا 838	837	ج 836	835	834	833	832	831	830	829	828	ת 827	826
	34	,	7	ב	ה	ל	١	ה	ל	,	ر ا	ב	ו	ם	١	,	ב	۲	ש	מ	۲	١	r	٦	Х	ה
	line	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851
	35	ם	,	ה	ל	×	Х	٦	,	۱	٦	ש	π	ה	7	,	ב	ו	٦	١	х	ה	7	,	ב	ל
	line	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876
	36	925	ב	٦	922	١	920	٦	ج 918	ב 917	,	ה	,	913	912	٦	لا 910	909	ה	,	١	ב	1	903	902	901
	line 37	923	924	923		921	920	919			916	915	914			911			908	907	906	905	904		902	
		950	۲ 949	948	947	946	945	944	943	942	لا 941	940	939	938	937	936	935	ל 934	933	932	න 931	930	929	928	927	926
	line 38	١,	נ	9	ל '	ע	r	٦	×	ה	ל	ע	ñ	٩	,	ע	,	ף	,	ע	ו	ה	,	п	ש	פֿ
	line	975	=	973	972		970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951
	39	,	נ	ת	ה	ת	×	ם	,	ה	ל	х	х	٦	ב	,	1	ם	,	מ	ש	ה	ע	,	7	٦
	line	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976
	40	ת	w	מ	ר_	ה	ה	,	Π	ה	ש	5	נ	ל	٥	ת	х	١	ם	,	ל	7	ړ	ה	ם	
	line	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001
	41	1050	1049	ע 1048	ל 1047	1046	ת 1045	1044	1043	1042	ה 1041	1040	1039	מ 1038	ל 1037	1036	1035	מ 1034	7 1033	1032	۲ 1031	1030	1029	ר 1028	1027	1026
	line 42	1000			1017					10.2						1030	1033			1032	1031		۱٥۷۶			
	lina	1075	1074	1073	1072	ර 1071	1070	1069	1068	1067	1066	ל 1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	מ 1055	1054	1053	1052	1051
	line 43	ל	מ	۱	۱	ב	٦	١	١	٦	5	٦	מ	×	ל	ם	,	ה	ל	х	ם	ת	Х	7	٦	ב
	line	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084		1082	1081	1080	1079	1078	1077	1076
	44	r	ר	×	ב	ב	٦	,	٦	۱	ע	ה	ו	ם	,	מ	,	ב	ם	,	מ	ה	ת	х	١	х
	line	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101
	45	1150	11/0	1140	11.47	U	,	ත 1144	1142	ם	1	17.40	۲ ا	م		1125	ה 1125	1121	1122		٦	ע	1120	7	,	1125
	line 46		1149		1147	1146	1145	1144			1141		1139	1138	1137		1135	1134	1133		1131			1128	1127	1126
		1175	1174	מ 1173	ל 1172	ה 1171	1170	1169	W	1167	1166	۲ 1165	ר 1164	X	ה 1162	1161	צ 1160	1159	ת 1158	ם 1157	1156	ה 1155	ל 1154	ነ 1153	ר 1152	מ 1151
	line 47																									
		ה		1	<u>ہ</u>			מ	ל	r	٦	8	i	ת		П	ו	v	מ		ו	ה	מ	ה	ב	ה

	עז	line		1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176
	181 44	48	נ	,	מ	ל	r	٦	х	ה	ת	,	п	ת	×	ם	,	ה	ל	х	ש	ע	,	١	7	٥	,
		line	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201
		49	7	×	ה	ש	מ	٦	ל	٥	ת	×	۱ ۱	ה	נ	,	מ	ל	ה	מ	ה	ב	ה	ת	×	١	ה
		line	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226
		50	х	,	١	ב	1	ט	,	٥	ם	,	ה	ל	Ж	×	٦	,	١	١	ה	נ	,	מ	ל	ה	מ
		line	1275	1274	1273	1272	1271	1270	1269 *	1268	1267	1266	1265	1264	1263 *	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251
		51	ת	<u> </u>	מ	7	ح	١	נ	מ	ל	z	ב	ם	7	Х	ה	w	ע	1	ם	,	ה	ל	Х	٦	מ
	עז 292	line	1300	1299	1298	1297	1296	1295	1294	1293	1292 *	1291	1290	1289	1288	1287	1286	1285	1284 *	1283	1282	1281	1280	1279	1278	1277	1276 *
-8		52	ו	ם	,	מ	W	ה	ף	ו	ע	ב	ו	ם	,	ה	ת	ړ	7		١	7	٦	,	١	1	ַ
		line	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301
		53	ש	מ	۲	ה	ש	מ	٦	ה	ל	۲	ב	1	r	٦	Х	ה	ל	٥	ב	1	ה	מ	ה	ב	ב
רן 1	עז 326	line 54		1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326 *
- (63		ל	۲ ۲	1373	1272	7	1270	1260	ת	1267	1266	1265	1264	ל	1262	1261	1260	1250	1250	1257	1256	1255	1254	1252	ל	ע
		line 55		13/4	13/3	*	13/1	1370	1309	1306	1307	1300	1303	1304	1303	1302	1301	1300	1339	1336	1337	1330	1333	1354	1353	1332	1331
			7 1400	1399	ק 1398	1397	1396	1395	1394	1393	1392	ת 1391	1390	1389	1388	1387	1386	1385	1384	ל 1383	1382	1381	7 1380	1379	1378	1377	2 1376
		line 56	5	٦	מ	×	,		ם	,	ה	5	×	ם	ת	х	-	٦	ב	,	١,	ے ا	ת	×	×	٦	
		line	1425	1424	=	_	1421	1420		1418		1416		=			1411	1410		1408	1407	_		=		1402	1401
		57	r	٦	×	ה	ת	×	١	×	ל	מ	١	۱	ב	ר	۱ ا	١	٦	Ð	ם	,	ה	ל	×	ם	ה
		line	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433 *	1432	1431	1430	1429	1428	1427	1426
		58	,	מ	w	ה	٦	<u> </u>	ע	ב	1	ם	,	ה	ת	ړ	7	ב	٦	7	٦	١	ה	ש	ב	ح	<u></u>
		line	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451
		59	Х	٦	מ	Х	,	1	r	٦	×	ה	ל	ע	ת	ש	מ	٦	ה	ה	,	Π	ל	د	ב	1	ם
	עז 494	line	1500	1499	1498	1497	1496	1495	1494 *	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476
	61	60	7	ע	٦	7	ב	ש	ע	ל	٥	ת	×	ם	٥	ל	,	ת	ת	נ	ה	ו	ה	ם	,	ה	ל
		line	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501
		61	1550	γ 1549	ע 1548	ה 1547		1545	ת 1544	1543	1542	γ 1541	1540	1539	1538	ל 1537	1536	1535	1534	1533	ל 1532	ע 1531	1530	1529	1528	ע 1527	1526
		line 62	_		5																	_	_			٦	,,,
		line	1575	1574	1573	1572	_	1570	1569	1568	1567	1566	기 1565	1564	1563	り 1562	1561	1560	7 1559	ਪ 1558	1557	1556	1555	1554	1553	1552	1551
		63	ם	,	מ	ש	ה	ף	١	ע	ל	ح	ל	١	r	٦	х	ה	ת	,	Π	ל	ر د ا	ל	۱ ۱	ה	ל
		line	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576
		64	ה	,	п	ש	5	נ	١	ב	٦	w	х	r	٦	×	ה	ל	ע	ש	מ	١	٦	ל	د	ל	ı
		line	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601
		65	8	٦	,	1	7	٥	,	ה	,	1	ה	ל	2	*	ر ۱ <i>۵۵</i>	٦ (25	w	<u>لا</u>	ج 2001	٦	,	ל	5	ת	1525
		line 66	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626
			1675	1674	מ 1673	1672		ර 1670	ה 1669	1668	1667		ה 1665	W 1664	고 1663	ר 1662	1661	1660	ל 1659	1658	ת 1657	1656	1655	1654	ה 1653	ל 1652	1651
		line 67	۱ ,		١,		,	ש	,,,	_	ا ا				_				,				**			,	
		line	1700	1699	1698	1697	1696	1695	1694	1693	=	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	ע 1680	1679	1678	1677	1676
		68	ה	ל	×	ל	כ	,	١	ם	×	ב	צ	ל	٥	١	r	٦	х	ה	١	ם	,	מ	ש	ה	וו
		line	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701
		69	١	ה	w	ע	٦	ש	Х	1	ת	כ	х	ל	מ	,	ע	,	ב	ש	ה	ם	1	,	ב	ם	,
		line	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726
		70	W	1774	1222	ת	ב	1770	ל	מ	ל 1767	<u>ک</u>	מ	,	ע	1760	ב	W	7750	1750	1757	1755	1755	ת	ב	۳ 1752	1751
		line 71	1775	1774	1773	1772	1771	1770	1/69	1 /68	1 /67	1766	1765	1/64				1 /60	1759	1758	1757	1756	1755	1/54	1/53	1/52	1/51
			1800	لا 1799		1797		1795	1794	1793		ת 1791	1790	1789	1788			1785	7 1784	1783	1782	1781	1780	ה 1779	1778	ਪ 1777	1776
		line 72								L															_		
			×	ו		ַכ	×	ל	מ	7	כ	מ	ת	ב	ש	ו	ב		כ	1	ת	X	ש	7	ק		

				line	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801
		_		73	ה	ת	า	7	ל	ו	ת	ה	ל	х	ת	า	ש	ע	ל	ם	,	ה	ל	х	×	٦	ב	٦	w
			עדן 1845	line	1850	1849	1848	1847	1846	1845 *	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826
			+85	74	<u>ہ</u>	,	ת	١	ש	ע	ם	ו	,	ב	ם	Х	٦	ב	ה	ב	r	٦	Х	ה	ו	ם	,	מ	ש
				line	1875	1874 *	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851
		Г		75	ה	7	ש	ה	ח	,	ש	ל	כ	1	ם	,	מ	ש	١	۲	ר	×	ם	,	ה	ל	×	ה	1
			עדן 1890	line 76	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876
			+83	70	7	ם	ר	מ	ה	7	w	ה	ב	ש	ע	ל	٥	1	r	ר	×	ב	ה	,	ה	,	ם	۲	ט
	נדן 19		עדן 1922	line 77	1925	1924	1923	1922 *	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901
		107		,,	×	ה	ל	ע	ם	,	ה	ל	×	ה	1	ה	,	۲	,	ט	מ	ה	*	ל	,	<u> </u>	ח	מ	צ
עדן 195	נדן 19 50		עדן 1936	line 78	1950 *	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936 *	1935	1934 *	1933	1932	1931	1930 *	1929	1928	1927	1926
+10	05 +5	53	+58		لا 1975	1074	1072	1072	1971	ה 1970	מ 1060	1069	1067	1066	ת 1065	1064	1063	1962	1061	7	1050	1059	1057	1956	7	1054	1053	۲ 1952	1051
				line 79	1973		*			1970	*									_	1939		1937			*		_	1931
					2000	カ 1999	1998	1997	ה 1996	1995	1994	1993	ל 1992	1991	ת 1990	1989	1988	マ 1987	1986	ה 1985	1984	1983	1982	1981	ה 1980	1979	カ 1978	ה 1977	1976
				line 80	7	מ	٦	5	ע	ם	*	8	ה	ת	×	ם	,	ה	ל	×	ה	,	ה	,	٦	צ	,	,	,
				line	2025	2024	2023				2019			_	2015		2013		2011	2010		2008		2006	2005		2003	2002	2001
				81	ה	,	۱	ם	,	,	Π	ת	מ	w	נ	ı	,	פֿ	×	ב	Π	5	,	١	ה	מ	7	х	ה
				line	2050	2049	2048	2047	2046	2045	2044	2043	2042	2041	2040	2039	2038	2037	2036	2035	2034	2033	2032	2031	2030	2029	2028	2027	2026
				82	ם	,	ה	ל	×	ה	ו	ה	,	ע	ט	,	1	ה	,	п	v	5	נ	ל	ם	7	×	ה	,
İ	נדן 20	- 11	עדן 2054	line	2075	2074	2073	2072	2071	2070	2069	2068	2067	2066	2065	2064	2063	2062	2061	2060	2059 *	2058	2057	2056 *	2055 *	2054 *	2053	2052 *	2051
	-6	- 11	+53	83	٢	ש	×	ם	7	Х	ה	ת	×	ם	ש	ם	ש	,	١	ם	7	ק	מ	1	7	ע	ב	7	لد
				line	2100	2099	2098	2097	2096	2095	2094	2093	2092	2091	2090	2089	2088	2087	2086	2085	2084	2083	2082	2081	2080	2079	2078	2077	2076
				84	2125	2124	2123	2122	<u>አ</u>	ה 2120	2119	מ 2118	2117	2116	2115	ל 2114	2113	7 2112	2111	ה 2110	2109	7108	מ 2107	2106	2105	2104	2103	<u>لا</u> 2102	2101
				line 85	ה	r	ע		,	٥	×	* מ	,	ב	,	ט		ה	×		מ	۲,	*	מ	п	נ	77	ע	
עדן	נדן	ע	עדן	1	2150				2146				2142			=	2138			2135		2133	=	=	=		2128		2126
214 -90	49 21) -4		2138 -41	line 86		* ¥	٦	١	ב	١	מ	ת	* ¥	*	ה	r	* ע	۱	*	ړ	ה	٦		ת	ב	ם	,	,	π
	, [-4	-	עדן		2175	2174	2173	2172	2171	2170	2169	2168	2167	2166	2165		2163	2162	2161	2160	2159	2158	2157	2156	2155	2154	2153	2152	2151
			2158 -51	line 87	ם	ש	מ	١,	7	٦	ה	ת	х	ת	1	ק	ש	ה	ל	*	7	* V	מ	х	z	,	٦	ה	נ
	נדן		עדן	line	2200	2199	2198	2197	2196	2195	2194	2193	2192	2191	2190	2189	2188	2187	2186	2185	2184	2183	2182	2181	2180	2179	2178	2177	2176
		188 17	2188 -47	88	7	п	×	ה	ם	ש	ם	,	ש	×	٦	ה	ע	ב	٦	Х	ל	ה	,	ה	۱ ا	7	٦	פֿ	,
				line	2225	2224	2223	2222	2221	2220	2219	2218	2217	2216	2215	2214	2213	2212	2211	2210	2209	2208	2207	2206	2205	2204	2203	2202	2201
				89	ה	ל	,	1	п	ה	r	ר	×	ל	כ	ת	×	ב	ב	ס	ה	х	ו	ה	7	ו	w	,	5
				line		2249	2248	2247	2246	2245	2244	2243	2242	2241	2240	2239	2238	2237	2236	2235	2234	2233	2232	2231	2230	2229	2228	2227	2226
				90		2274	2272	מ	2271	2270	7260	7268	2267	7266	2265	7264	2262	7262	2261	2260	2250	7259	2257	7256	2255	2254	2253	2252	2251
				line 91		22/4					_				2203					2200	_		2231		2233	_	_		
					2300	2299	2298	2297	2296	ה 2295	2294		2292	2291	2290	2289	=		2286	2285	2284	2283	2282	2281	2280	2279	2278	ה 2277	
				line 92	ש	١	ש	,	5	r	٦	×	ל	כ	ת	×	ב	ב		ס	ה	Х	,	ה	7	١,	п	,	ارا
				line		2324		2322	=		2319		=	=			=	=		=	_		2307		2305	2304	2303	2302	2301
				93	מ	7	ק	٦	ל	ה	ה	×	า	ה	ל	ק	7	п	,	w	,	ל	w	ה	_ ا	ה	נ	ה	ם
				line		2349	2348	2347	2346	2345	2344	2343	2342	2341	2340	2339	2338	2337	2336	2335	2334	2333	2332	2331	2330	2329	2328	2327	2326
				94	/	,	1	ת	۲	5	8	1		,		,	ح	=	ה	٦	ה	1	ה	1	۲	١	ש	8	
				line 95		2374	2373	2372	2371	2370	2369	2368	2367	2366	2365	2364	2363	2362	2361	2360	2359	2358	2357	2356	2355	2354	2353	2352	2351
					2400	ر 2399	2398		ה 2396	2395	2394	2393	2392	2391	2390	2389			2386	2385	2384	ה 2383	ر 2382	2381	2380	2379	ה 2378	2377	2376
				line 96			×		1		,	1		,					ש	ל -	1				צ	ל.	,	_	,,
		-			- 11	7	~	<u>ה</u>		<u>ה</u>						ה <u> </u>		מ				ה	7	ב	ע	7		7	ע

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2416 +17	
line *	2428 2427 242
98	
line 99 יום אכלד מנומות מותויא	, ,
line 2500 2499 2498 2497 2496 2495 2494 2493 2492 2491 2490 2489 2488 2487 2486 2485 2484 2483 2482 2481 2480 2478	2478 2477 247
ו ה א ל ה י ם ל א ט ו ב ה י ו ת ה א ד ם ל (100):	ז ר י
line 2525 2524 2523 2522 2521 2520 2519 2518 2517 2516 2515 2514 2513 2512 2511 2510 2509 2508 2507 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2505 2506 2506	2503 2502 250
101 7	
line 102	, ,
line 2575 2574 2573 2572 2571 2570 2569 2568 2567 2566 2565 2564 2563 2562 2561 2560 2559 2558 2557 2556 2555 255	
ה שמים ויבאאל האדם לראות מ 103	ע ו
line *	2578 2577 257
אלוו כלא שרי קראלוה אדם ב פ 104.	
line 105 2625 2624 2623 2622 2621 2620 2619 2618 2617 2616 2615 2614 2613 2612 2611 2610 2609 2608 2607 2606 2605 2606 2606 2605 2606 2605 2606 2605 2606 2605 2606 2606 2605 2606 2606 2605 2606	
2650 2649 2648 2647 2646 2645 2644 2643 2642 2641 2640 2639 2638 2637 2636 2635 2634 2633 2632 2631 2630 262	
line 106 מהולעוף השמיםול כלחית הש:	י ה ב
line 2675 2674 2673 2672 2671 2670 2669 2668 2667 2666 2665 2664 2663 2662 2661 2660 2659 2658 2657 2656 2655 265	2653 2652 265
2663 107 א ד ם ל א מ צ א ע ז ר כ נ ג ד ו ו י פ ל א (א מ צ א ע ז ר כ נ ג ד ו ו י פ ל א	הוו ו
line 2700 2699 2698 2697 2696 2695 2694 2693 2694 2693 2694 2693 2694 2693 2694 2693 2694 2695 2695 2694 2695 2695 2694 2695 2695 2695 2695 2695 2695 2695 2695	2678 2677 267
ול הים תרדמה על האדם ויישן ו 108:	
line 109 2725 2724 2723 2722 2721 2720 2719 2718 2717 2716 2715 2714 2713 2712 2711 2710 2709 2708 2707 2706 2705 2705 2705 2706 109 2708 2707 2706 2705 2705 2705 2705 2705 2705 2705 2705	2703 2702 270
2750 2749 2748 2747 2746 2745 2744 2743 2742 2741 2740 2739 2738 2737 2736 2735 2734 2733 2732 2731 2730 2722	
line 110 זיהוה אל הים את הצלעאשר לק	, , , ,
line 2775 2774 2773 2772 2771 2770 2769 2768 2767 2766 2765 2764 2763 2762 2761 2760 2759 2758 2757 2756 2755 2755 2755 2755 2755 2755	2753 2752 275
א דם ל א ש ה ו י ב א ה א ל ה א דם ו י א 111 :	ז מ ן
עדן עדן עדן עדן עדן עדן עדן עדן עדן עדן עדן עדן עדן עדן עדן	2778 2777 277
-18 -94 -31 112 -31 112 -18 -94 -31	
line 113 2825 2824 2823 2822 2821 2820 2819 2818 2817 2816 2815 2814 2813 2812 2811 2810 2809 2808 2807 2806 2805 2808 2807 2806 2805 2808 2807 2806 2805 2808 2807 2806 2805 2808 2807 2806 2805 2808 2807 2808 2808 2807 2808 2808 2807 2808 2808 2807 2808 2808 2807 2808 2808 2807 2808 2807 2808 2807 2808	2803 2802 280
י ל ז א ת י ק ר א א ש ה כ י מ א י ש ל ק ח 113 י ל ז א ת י ק ר א א ש ה כ י מ א י ש ל עדן	2828 2827 2820
2835 2830 1 me 114	
-55 +37 -50 11	
ב ק ב א ש ת ו ו ה י ו ל ב ש ר א ח ד ו י ה 115 ב	2 1 2
line 2900 2899 2898 2897 2896 2895 2894 2895 2894 2895 2894 2893 2892 2891 2890 2889 2888 2887 2886 2885 2884 2883 2882 2881 2880 2875	2878 2877 287
י הם ערומים האדם ואשתוו לא 116	ושו
line 117 2925 2924 2923 2922 2921 2920 2919 2918 2917 2916 2915 2914 2913 2912 2911 2910 2909 2908 2907 2906 2905 2906 2905 2907 2906 2907 2906 2907 2906 2907 2908	
2950 2949 2948 2947 2946 2945 2944 2943 2942 2941 2940 2939 2938 2937 2936 2935 2934 2933 2932 2931 2930 2932	ת ב 2928 2927 2920
line 118 איר שיה יהוה אל הים ויא מראל	
line 2975 2974 2973 2972 2971 2970 2969 2968 2967 2966 2965 2964 2963 2962 2961 2960 2959 2958 2957 2956 2955 295	
אר פי א מר א ל הים ל א ת א כ ל ו מ כ (119: 319: 319: 319: 319: 319: 319: 319:	ז א ש
2981 2980 297	2978 2977 2970
<u> 1 x :</u>	ע אין וי

The text in Figure 10 consists of Genesis chapter 1 and 2 and Genesis 3 verse 1 as they appear in the Koren edition. The first 2956 letters (i.e. Genesis chapter 1, 2 and part of Genesis 3:1) have about 120 different words longer than two letters (not counting different grammatical forms). Each word was run by the computer to find where it appears at equal intervals. The intervals n were taken in a range from 2 to some N, both positive and negative.

The results of such a search for the word עדן (Eden) are shown in Figure 10. The word עדן is spelled out explicitly in three places as shown by the words highlighted in yellow. The red asterisks show the hidden "Edens" and the numbers at the left side of the chart indicate where the עדן ס עדן is located and the appropriate intervals between that letter and the next letter of the word.

The range of intervals N was taken to be 120. The number N is chosen in such a way that there is a reasonable amount of hidden words. So then, if one chooses N=240 there would be twice as many hidden "Edens" sprawling over the text and it would be difficult to see the clustering. Likewise for N=60 it would be too few words to make statistical estimates. We see that there are eight hidden "Edens" within the first 1815 letters of Genesis (Genesis 1:1- Genesis 2:3). The story of the Garden of Eden is told starting in the verse Genesis 2:4 starting at letter 1816. Here inside a segment of 379 letters 16 hidden "Edens" appear? What force has drawn them together? Maybe the three explicit "Edens" increase the local density of the letters ν , τ , and τ so that there are more chances for the hidden ones? A computation like the one performed for Aaron shows that the expected number of "Edens" is about 5 and the probability of such a deviation is about 1 in 10,000. (We see another weaker cluster close to the end of Figure 10 where the Torah narrates the creation of woman.)

Figure 11

The Letters of Genesis Chapter 1:1 to Genesis 3:1 הנהר /The River See the side of the chart to find the various locations of The River in code.

line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
1	ה	ת	×	٦	ם	,	מ	ש	ה	ת	х	ם	,	ה	ל	Х	×	٦	ב	ת	,	v	Х	٦	ב
line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
2	ל	ע	٦	v	Π	١	١	ה	ב	١	٦	ה	ת	ה	ת	,	ה	Y	٦	×	ה	1	r	٦	×
line	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
3	נ	5	ל	ע	ת	5	Π	٦	מ	ם	,	ה	ל	Х	Π	١	٦	1	ם	<u></u> 1	ה	ת	,	1	פֿ
line	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76
4	,	ה	,	1	٦	<u>'</u>	Х	,	ה	,	ם	,	ה	ל	Х	٦	מ	х	,	1	ם	,	מ	ה	,
line	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
5	,	1	ב	1	מ	,	٥	٢_	١	Х	ה	ת	×	ם	,	ה	ל	Х	×	٦	,	1	٦	1	Х
line	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126
6	,	174	7	ש	ח	ה	7	150	ב	1	۲	١	*	ה	7	,	ב	ם	,	ה	ל	*	ל	7	ב
line	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151
7	200	ל 199	198	ר 197	ק 196	195	194	193	ל 192	1 191	190	189	188	ר 187	186	185	ל 184	183	182	ה 181	ל 180	X	ነ 178	ר 177	ק 176
line 8	200	199	198	197	190	193	194	193	192	191	190	189	100	167	100	163	164	165	182	101	160	179	1/6	1//	170
0	225	224	223	7 222	221	220	219	218	217	216	ج 215	214	213	212	211	210	209	208	ソ 207	206	205	204	203	202	ל 201
line 9	223	224	223	222	221	220	219	210	217	210	213	214	213	212	211	210	209	200	207	200	203		203	202	201
	250	249	248	247	246	מ 245	ה 244	243	242	ת 241	240	لا 239	238	ק 237	236	235	234	233	232	231	230	ל 229	228	227	226
line 10	250	249	240		240	243	244	243	242	241	240	237		231	230	233	234	233	232	231	230	22)	220	221	220
10	ם 275	274	7 273	ל 272	271	270	لا 269	268	267	266	265	ත 264	ر 263	262	261	260	259	258	257	256	255	254	253	252	251
line 11								200			200	201					23,	230		230					
11	300	ת 299	ත 298	297	296	295	294	293	ත 292	고 291	290	289	288	أ 287	286	285	284	283	고 282	281	ج 280	279	ה 278	ת 277	276
line 12				_	L																				
	لا 325	324	ج 323	322	321	ל 320	لا 319	318	317	316	315	314	313	312	311	310	309	308	307	y 306	305	ج 304	303	302	301
line 13	_			,,,	٠,	,				_	,	_	7		,	_					•		_		
	350	349	348	347	لا 346	345	マ 344	343	342	341	340	339	338	337	336	335	7م 334	333	332	331	330	329	328	327	326
line 14		מ	×			,	,	ינט	ם			٦	ק	ב	,	ה	,		_	٦	ע	,	ה		$\ \cdot \ $
line	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361	360	359	358	357	356	355	354	353	352	351
line 15	מ	ל	×	ם	,	מ	ש	ה	ת	п	ת	מ	ם	,	מ	ה	١,	,	ק	,	ם	,	ה	ל	Х
line	400	399	398	397	396	395	394	393	392	391	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376
16	7	,	١	7	ב	,	ה	,	١	ה	ש	ב	,	ה	ה	×	٦	ת	١,	7	п	х	ם	١	7
1.0																									

	line	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027 *	1026
	42	,	۱	ב	١	ט	,		ם	,	ה	ל	Х	Х	٦	,	۱	١	ה	נ	,	מ	ל	٦	נ	כ
הנהר	line	1075	1074	1073	1072	1071	1070	1069	1068	1067 *	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051
1059 -32	43	ל	מ	١	١	ב	٦	١	ו	٦	9	٦	מ	×	ל	ם	,	ה	ל	×	ם	ת	×	٦	٦	ב
	line	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076
	44	r	٦	х	ב	ב	٦	,	ף	า	ע	ה	١	ם	,	מ	,	ב	ם	,	מ	ה	ת	х	۱	×
	line	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101
	45	Х	,	١	,	ש	,	מ	Π	ם	1	,	٦	ק	ב	,	ה	,	١	ב	٦	ע	,	ה	,	1
	line	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126
	46	נ	,	מ	ל	ה	,	n	v	5	נ	r	ר	Х	ה	Х	צ	1	ת	ם	,	ה	ל	Х	٦	מ
	line	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151
	47	1200	1100	1109	1107	1196	1105	מ 1104	ל 1103	1102	1101	1100	1190	ת	1107	1196	1105	1194	<u>م</u>	1192	1191	7	מ 1170	1179	1177	7
	line 48	1200	1199	1198	1197	1190	1193	1194	1193	1192	1191	1190	1189	1100	1107	1100	1163	1104	1103	1162	1101	1100	1179	1176	11//	1176
		1225	1224	מ 1223	ל	7 1221	1220	1219	1218	ת 1217	1216	1215	ת 1214	1213	1212	1211	ה 1210	ל 1209	1208	1207	لا 1206	1205	1204	1203	1202	1201
	line 49							,									,								1202	1201
		1250	1249	1248	1247	1246	ר 1245	ל 1244	1243	ת 1242	1241	1240	1239	1238	1237	2 1236	ל 1235	1234	1233	1232	1231	1230	ת 1229	1228	1227	1226
	line 50												L											L	_	
הנהר		1275	1274	1273	1272	1271	් 1270	1269	1268	1267	1266	1265	ל 1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	מ 1254	ל 1253	ה 1252	1251
1261	line 51									_						*			*			*			*	
-3		ת	1299	מ 1298	1297	1296	1295	1294	1293	1292	<u>لا</u> 1291	1290	1289	1288	1287	1286	1285	لا 1284	1283	1282	1281	ה 1280	ל 1279	1278	1277	1276
	line 52																									
		1325	1324	1323	1322	1321	1320	1319	1318	ע 1317	1316	1315	1314	1313	1312	ת 1311	ג 1310	1309	1308		7 1306	1305	1304	1303	1302	1301
	line 53	ש	,	٦	_	,,,	,		_	_	_	٦		,,			_	5	٦	٦	,		,			
			1349	1348	1347	1346	מ 1345	1344	1343	1342	1341	1340	1339	7 1338	1337	1336	ה 1335	1334	1333	1332	1331	1330	מ 1329	1328	1327	1326
	line 54	ל	צ	ב	ם	7	×	ה	ת	×	ם	,	ה	5	Х	×			,	١,	r	٦	×	ה	5	ע
	line	1375	=	=		1371				=		1365		1363		=	1360	1359	1358	1357		1355		_	1352	
	55	ה	ב	<u>ج</u>	נ	,	٦	כ	7		ת	×	Х	٦	ב	ם	,	ה	ל	×	ם	ל	צ	ב	۱	מ
	line	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376
	56	ל	٦	מ	×	,	۱	ם	,	ה	ל	×	ם	ת	Х	٦	ר	ב	,	١	ם	ת	х	Х	٦	ב
	line	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401
	57	r	٦	×	ה	ת	Х	١	×	ל	מ	١	١	ב	٦	1	١	٦	5	ם	,	ה	ל	Ж	ם	ה
	line		1449	1448	1447 *	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426
	58		מ	w	ה	٦	1	ע	ב	<u> </u>	ם	,	ה	ת	ړ	7	ב	١	7	٦	1	ה	ש		כ	l
	line	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451
	59	*		מ	1 107	,	1	r	٦	1100	ה	ל	ע	ת	ש	מ	۲	ה	7	,	1401	ל	<u>ح</u>	ב	1	<u> </u>
	line	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	14/9	14/8	14//	14/6
	60	1525		1523	1522	1521	1520	لا 1510	ל 1518	1517	ת	1515	1514	1513	ל 1512	1511	ת	ת	1508	1507	1506	1505	1504	1503	1502	ל
	line 61		1324		1322	,				1317		1313		1313			1310	*				1303	1504	1303		1301
	4.	1550	γ 1549	ע 1548	1547	7 1546	1545	ת	1543	1542	γ 1541	1540	1539	1538	ל 1537	1536	1535	1534	1533	7 1532	ע 1531	1530	1529	1528	ע 1527	1526
	line 62		.,	_	_				_		_		_		.,						_				_	•••
הנהר		1575		1573	ה 1572	1571	ה 1570	1569	1568	1567	1566	ע 1565	1564	1563	لا 1562	1561	1560	1559	ע 1558	1557	1556	1555	1554	1553	1552	1551
1571	line 63	_				*				_		_						_		_	<u> </u>				_	_
-62	Щ	1600	1599	ත 1598	1597	1596	1595	1594	ע 1593	1592	1591	1590	1589	1588	1587	1586	ה 1585	1584	1583	П 1582	1581	1580	1579	1578	1577	1576
	line 64															_						_			<u>_</u>	
		ה 1625	1624	П 1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	ל 1610	ע 1609	1608	1607	1606	1605	ל 1604	1603	1602	1601
	line 65								_				ל				_						L	_		
	4.	1650		1648	1647	1646	1645	1644	1643	1642	1641	ה 1640	=	1638	1637	1636	1635	1634	لا 1633	7 1632	1631	1630	1629	1628	1627	1626
	line 66	7	×	מ	ב		ט	ה	7	ה	,	ה	ש	ע	٦	ש	×	۱ ,	ر ا	ת	×		,	ה	۲,	8
		1675			=	1671	=		1668		1666	_	_					1659	=			_	1654	=	1652	
	line																									ı II

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VAGA		line	1700	1699	1698	1697	1696	W 1695	W 1694	ה 1693	1692	1 1691	1690	٦ 1689	ק 1688	1687	1686	ה 1685	1684	1683	ے 1682	٦ 1681	ਪ 1680	1679	ה 1678	1677	
WWW.VILNAGAO		line 68	n		×	ל	٥	,	ו	ם	х	ב	צ	ל	٥	ו	r	٦	х	ה	_ ı	ם	,	מ	ש	ה	H
WW		line		1724		1722	1721			1718		1716		1714		1712		1710			_		1705	1704			
		line		ה ו 1749	1748	ע 1747	1746	1745	1744	1743	ת 1742	1741	1740	1739	1738	1737	ע 1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	
		70		×	ו	ת	כ	×	ל	מ	ל	כ	מ	,	ע	,		ש	ה	ם	ו	,	ב	ת	ב	ש	
9		line		5 1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	
N.OR			1800	ע 1799	1798	ב 1797	1796	1795	1794	1793	1792	ת 1791	1790	1789	1788	ה 1787	ל 1786	1785	1784	1783	1782	1781	1780	1779	1778	ע 1777	
WW.VILNAGAON.ORG		1ine 72		ו ו	ת		×	ל	מ	ל	כ	מ	ת	ב	ש	١	ュ	,	כ	١	ת	х	ש	7	ק	,	
VILN		line		1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	
WW.		73	1850	-	1848	7 1847	ל 1846	1845	ת 1844	7 1843	ל 1842	1841	ת 1840	1839	1838	ע 1837	ל 1836	ם 1835	1834	1833	ל 1832	1831	1830	1829	1828	ר 1827	
#		line 74			ת	,	ש	ע	ם	1	,	ב	ם	Х	٦	ב	ה	ב	r	٦	×	ה	۱		,	מ	
		line	1875	1874		1872			=	1868	1867				1863				1859	1858	_	1856	1855		1853		
		75	11		2000	7	1806	,	w	ל	7	1	ם	1000	מ	W	1996	7	٦	1002	ב	1001	7	ל	1070	7	
ORG		line	:	1899	1898			1895				1891		1889		1887	1886					1881		18/9	1878	18//	
WW.VILNAGAON.ORG		line		1924	1923	් 1922	1921	1920	1919	1918	1917	1916	ע 1915	1914	1913	1912	1911	1910	1909	1908	ה 1907	1906	1905	1904	1903	1902	
LNAG		77	Ш	ה	ל	ע	ם	,	ה	ל_	х	ה	1	ה	,	_ ا	,	ט	מ	ה	×	ל	,	د	п	מ	
W.VII		line	;	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934 *	1933	1932	1931	1930	1929	1928	1927	
WW	הנהר הנהר		1975	1974	1973	1972	1971	ה 1970	מ 1969	1968	1967	ה 1966	ת 1965	1964	1963	1962	لا 1961	ל 1960	1959	1958	1957	1956	7	1954	1953	7 1952	
	1975 1952 -6 -18	line 79	11 .	מ מו	7	×	ה	,	*	5	ל	כ	ת	×	*	ק ק	ש	ה	١	r	*	×	ה	7	מ	*	
	0 10	line	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988		1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	
92		80		מן	7	5	ע	2020	7	2010	7017	ת	2015	2014	,	7012	ל 2011	2010	ה	2000	7.007	2006	7	2004	,	,	
N.OF		line 81	;	5 2024	2023		2021	2020					2015	2014	2013						2007	2006					
AGAC	הנהר	line	2050	2049	2048	2047	2046	2045	2044	2043	מ 2042	2041	2040	2039	2038		2036	2035	2034	2033	2032	2031	2030	ත 2029	2028		
VILN	2037 -37	82		,	ה	ל	х	ה	ı	ה	,	ע	ט	,	١	*	,	Π	ש	ē	נ	ל	ם	7	×	* 7	
WWW.VILNAGAON.ORG	1	line	*	2074	2073	2072	2071	2070	2069	2068	2067	2066	2065	2064	2063	2062	2061	2060	2059	2058	2057	2056	2055	2054	2053	2052	
A		83		ש	8	ם	7	8	ה	ת	8	ם	ש	מ	2000	,	1	ם	7	ج 2002	מ	7	7	ע	2070	7	
	הנהר 2085	line 84		2099	²⁰⁹⁸ ප	2097			2094		2092	2091		2089			2086	*	2084			2081 ¥	2080	2079	2078	2077 Y	
	-29	line	2125	2124		2122	2121	2120	2119	2118		2116	2115	2114	2113	2112	2111	2110	2109	2108	2107		2105	2104	2103		
WWW.VILNAGAON.ORG		85		r	ע	ו	ל	ح	×	מ	ל	ב	ו	ט	ו	ה	×	٦	מ	ל	7	מ	п	נ	r	ע	
NOV	הנהר 2140	line		2149	2148	2147	2146	2145	2144	2143	2142	2141	2140	2139	2138	2137	2136	2135	2134	2133	2132	2131	2130	2129	2128	2127	
LNAC	+65	86		ע	7	1	ב	1	ט	ת	ע	7	ה 2165	7	ע	7	7	ړ	7150	٦	2157	ת	ב	2154	,	21.52	
W.VI	ונהר me			2174		21/2	21/1						2165				2161	2160						2154	2153		
HH		line	2200	1 W 2199	מ 2198	2197	2196	کر 2195	2194	2193	2192	2191	2190	고 2189	<u>w</u>	ה 2187	2186	2185	2184	لا 2183	מ 2182	2181	2180	2179	2178	2177	
		88	11	п	х	ה	ם	ש	ם	,	ש	×	٦	ה	ע	ב	٦	×	ל	ה	,	ה	ו	7	٦	Ð	
		line		2224	2223	2222	2221	2220	2219	2218	2217	2216	2215	2214	2213	2212	2211	2210	2209	2208	2207	2206	2205 *	2204	2203	2202	
Sg		89	2250		2248	2247	77 2246	2245	۲ 2244	2243	2242	ל 2241	2240	ת 2239	2238	2237	2236	2235	2234	2233	2232	2231	2230	2229	2228	2227	
N.OR		line 90	:			ט	Х	,	ה	ה	r	٦	×	*	ב	ה	7	,	ב	ה		ה	ם	ש		ש	
NAGAON.ORG	הנהר הנהר	line	2275		2273		2271	2270	2269								2261	2260					2255		2253		
VILN	2270 2261 -65 +72	91		נ	ש	ה	٦	ה	נ	ה	ם	w	١	ם	ה	ש	ה	1	ב	х	١	п	ל	7	ב	ה	

Part	הנהר 2281	line 92	2300	2299	2298	2297	2296	2295	2294	2293	2292	2291	2290	2289	2288	2287	2286	2285	2284	2283	2282	2281	2280	2279	2278	2277	2276	
Simple S	-21	92		1		١	Ш		٦						\sqsubseteq		١				1		7	١	\square	'	٦	
Part		1 1		2324	2323	2322		*			2317		2315				2311		2309	2308					2303		2301	
Part		lina		2349	2348	2347	=	=	_		2342		2340	_	=		2336		2334	2333			_		2328	_	2326	
Single			ק	,	١	ת	*	و ا	х	1	ה	,	ע	,	ב	٦	ה	*	ה	*	ה	٦	٦	١	ש	×	ת	
Table See		line		2374	2373	2372	2371	2370		2368	2367	2366	2365	2364	2363	2362	2361	2360	2359	2358	2357	2356		2354	2353	2352	2351	
1		95	7	ړ	ב	١	ה	п	נ	,	ו	ם	7	Х	ה	ת	×	ם	,	ה	ל	×	ה	١	ה	,	Π	
Part		line	2400	2399	2398	2397	2396	2395	2394	2393	2392	2391	2390	2389	2388	2387	2386	2385	2384	2383	2382	2381	2380	2379	2378	2377	2376	
2448 97 8		96	ה	ל	×	ה	١	ה	,	1	z	,	١	ה	٦	מ	ש	ל	۱	ה	7	ב	ע	ל	7	7	ע	
Part		line	2425	2424	2423	2422	2421	2420	2419	2418 *	2417	2416	2415	2414	2413	2412	2411	2410	2409	2408	2407	2406	2405 *	2404	2403	2402	2401	
Note Part		97			ל	\sqsubseteq		7					ל	٥		٦	Щ	\square	ל		7			ל			,	
Fine 100			2450	2449	2448	2447	2446	2445	2444	2443	2442	2441	2440	2439	2438	2437	2436	2435	2434	2433	2432	2431	2430	2429	2428	2427	2426	
Part		98	_	=	=	ל 2472					_		٦	2464	=	2462					_	_			2452	ל 2452	2451	
Fine Store Store		1 1		2474	2413	2472	24/1	2470		2400	2407	2400	2403				2401	,	2437			2430	2433	2434	2433	2432	2431	
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100 100	-37	line			\Box	2547	2546		2544	2543	2542			Щ		2537	2536		2534						2528	2527	2526	
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103 103		line	2575	2574	2573	2572	2571	2570	2569	2568	2567	2566	2565	2564	2563	2562	2561	2560	2559	2558	2557	2556	2555	2554	2553	2552	2551	
Ince 100 20 20 20 20 20 20 2		103	מ	ת	۱	×	٦	ל	ם	7	х	ה	ל	х	х	ב	,	1	ם	,	מ	ש	ה	ๆ	١	ע	ל	
The color Fine Fi		line	2600	2599	2598	2597	2596	2595	2594	2593	2592	2591	2590	2589	2588	2587	2586	2585	2584	2583	2582	2581	2580	2579	2578	2577	2576	
Incording Inco		104												,							1	ל				_,		
Fine 100 200			2625	2624	2623	2622	2621	2620	2619	2618	2617	2616	2615	2614	2613	2612	2611	2610	2609	2608	2607	2606	2605	2604	2603	2602	2601	
Image		103	2650	ر 2649		2647			=	2643				2639	ح 2638	2637	2636	2635	=	=	1	2631			2628			
The color The										_										_				_			_	
107				=		2672	- 1	2670	_	2668	2667		2665				2661	2660	L.	2658	2657				2653		2651	
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108		line	2700	2699	2698	2697	2696	2695	2694	2693	2692	2691	2690							2683	2682	2681		2679	2678		2676	
Inc 109 3			ו	7	ש	,	,	۱	ם	7	х	ה	ל	ע	ה	מ	7	٦	ת	ם	,	ה	ל	×	ה	١	ה	
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Inc 110		109	_		=	=	٦			ר_	_		,	<u></u>	١	,			ל					_			,	
The color of the			2750	2749	2748	2747	2746	2745	2744	2743	2742	2741	2740	2739	2738	2737 *	2736	2735	2734	2733	2732	2731	2730	2729	2728	2727	2726	
Secondary Continue		110		ל											,					2750		7	7		,	2755		
The color of the			2/75	2/74	2773	2172	2/71	2770	2/69 *	2/68	2/67	2/66	2765	2764	2763	2762	2/61	2760	2759	2/58	2757	2/56	2/55	2754	2/53 *	2/52	2/51	
line 112	-16	111		Щ	2700	2707				ر 2202				2700	2799	2797			Щ	ל	2792	7			2220	Щ		
line 2825 2824 2823 2822 2821 2820 2819 2818 2817 2816 2815 2814 2813 2812 2811 2810 2809 2808 2807 2806 2805 2804 2803 2802 2801 2800 2809 2808 2807 2806 2805 2804 2800 2809 2808 2807 2806 2805 2804 2800 2809 2808 2807 2806 2805 2804 2800 2809 2808 2807 2806 2805 2804 2800 2809 2808 2808 2808 2808 2808 2809 2808 2808			12800	2199	2/98	2197	2196	2795	2794	2193	2192	2/91		2/89	2788	2787	2786	2785	2/84	2/83	2/82	2/81	2/80	2779	2778	2111	21/6	
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114		line		_	2823		2821	2820	2819		2817	2816	2815			2812	_	2810			2807	2806	2805	2804		_		
line 115		line 113	π	2824	ל	ש	,	2820 X	2819 מ	2818	2817	2816	2815 W	х	х	٦	ק	,	ת	×	7	ל	,	٦	ש	ב	מ	
115 7		line 113	2850	2824 7 2849	う 2848	ש	,	2820 X	2819 ක 2844	2818	2817	2816 7 2841	2815 W 2840	х	2838	2837	고 2836	2835	ת	×	7	ל	,	2829	W	ב	ත 2826	
line		line 113 line 114	2850	2824 ק 2849	2848 ×	2847	2846	2820 X 2845	2819 2844	2818 2843	2817 ב 2842 ת	2816 77 2841	2815 W 2840 W	X 2839	2838 X	ר 2837 ב	2836	2835 ¥	ת 2834	2833	2832	ל 2831 ל	2830 ¥	ר 2829 ת	2828 X	2827	מ 2826 ה	
ין שני הם ערומים האדם ואשתון ולא 116		line 113 line 114 line	2850 X 2875	2824 P 2849 D 2874	2848 ×	2847	2846	2820 X 2845 , 2870	2819 2844	2818 2843 X 2868	2817 ב 2842 ת	2816 77 2841	2815 W 2840 W	X 2839	2838 X 2863	ר 2837 ב	2836	2835 ¥ 2860	2834 ,	2833 7 2858	2832	ל 2831 ל	2830 ¥	ר 2829 ת	2828 X	2827	2826 7 2851	
		line 113 line 114 line 115	2850 x 2875	2824 7 2849 T 2874	2848 X 2873	2847 1 2872 7	2846 1 2871	2820 X 2845 , 2870	2819 2844 2869	2818 , 2843 & 2868 W	2817 2842 D 2867	2816 7 2841 ※ 2866	2815 W 2840 W 2865	2839 ,	2838 X 2863	2837 2 2862	2836 T 2861	2835 y 2860	2834 , 2859 w	2833 7 2858	2832 2857	2831 ウ 2856	2830 ソ 2855	2829 D 2854	2828 X 2853	2827 1 2852	2826 7 2851 2851	

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line 117 מ ם ה ה W v \mathbf{w} ב ת 2928 2927 2926 line 118 ה ל х ה \mathbf{w} ¥ W מ 7 7 X 7 7 2961 2960 2959 line 119 מ ٦ Х v× 2977 ץ y

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In Figure 11 there is a similar example with the word הנהר (the river). The word is mentioned four times explicitly as shown by the words highlighted in yellow. When run on the computer with intervals up to 80, it produces a cluster of 11 words that start within lines 76 to 101, while on a usual range of even 40 lines it appears about three times. [Figure 11 has been divided up into 120 lines].

5

Figure 12

The Letters of Genesis Chapter 1:1 to Genesis 3:1 מקוה /Mikveh See the side of the chart to find the various locations of <u>Mikveh</u> in code.

Note: The Hebrew letter מ when it appears at the end of a word looks like this מ

		140	nc.	i ne .	iico	i C VV	icuc.	1 12 V	VIICI	i ii aj	ррса	15 at	uic	ciia	or a	WOI	4 100	11.5 11	KC U	1110						
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li	ine	50	49	48	47	46	45	44	43 *	42	41	40	39 *	38	37	36	35	34	33	32	31	30	29	28	27	26
	2	ל	ע	٦	w	Π	١	١	ה	ב	١	١	ה	ת	ה	ת	,	ה	r	٦	×	ה	١	r	٦	х
li	ine	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
	3	נ	Ð	ל	ע	ת	פֿ	п	٦	מ	ם	,	ה	ל	Х	Π	١	٦	١	ם	١	ה	ת	,	נ	Ð
1;	ine	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76
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1:	:	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
п	ine 5	,	,	ב	١	מ	,	٦	٦		×	*	7	,	ם		ה	ל	×	,	_	,	ļ	_		
		150	149	148	147	146	145	144	143	142	141	140	ת 139	138	137	136	135	134	133	132	131	130	129	128	127	126
li li	ine 6		*				_				*		*		_						_	L		۲	_	
		175	174	173	172	171	7 170	169	168	ב 167	166	ר 165	164	163	ה 162	161	160	159	158	157	ה 156	ל 155	154	ל 153	152	151
li	ine 7																									*
		7	ל	Х	٦	ק —	٦	W	Π	ל	١		1	,	٦	1	×	ל	_ 		ה	ל	Х	×	٦	<u>ج</u>
li	ine	200	199	198	197	196	195	194	193 *	192	191	190 *	189	188	187	186	185 *	184	183	182	181	180	179	178	177	176
	8	Х	,	1	7	Π	х	ם	ר	,	٦	ק	ב	,	ה	,	ו	ב	٦	ע	,	ה	,	1	ה	ל
מקוה 207 li	ine	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207 *	206	205 *	204	203	202	201
-56	9	ה	,	١	ם	,	מ	ה	٦	١	л	ב	ע	,	ק	٦	,	ה	,	ם	,	ה	ל	Х	٦	מ
מקוה מקוה מקוה :	ine	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
250 241 239	10	*	,	ה	ל	х	ש	ע	,	*	*	,	* מ	ל	ם	,	מ	7	,	ב	ל	,	7	ב	מ	
		275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251
	ine 11														,							*				
		700	ת	200	297	206	205	204	202	202	7	7	200	ב	ל	7	205	204	202	ע	201	5	270	ה 270	ת	276
	ine	300	299	298 *	291	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279 *	278	277	276
	12	ע	,	ק	٦	ל	ל	ע	מ	٦	w	×	ם	,	מ	ה	7	,	ב	١	ע	,	ק	٢	ל	ת
מקוה מקוה מקוה li	ine	325 *	324	323	322	321	320	319	318	317	316 *	315	314	313	312	311	310	309 *	308	307	306	305	304	303	302	301
325 316 316 1	13	ם	,	מ	w	ע	,	ק	٦	ל	ם	,	ה	ל	х	х	٦	ק	,	۱	7	כ	,	ה	,	١

39	,	נ	ת	ה	ת	Х	ם	,	ה	ל	Х	Х	٦	ב	,	1	ם	,	מ	w	ה	ע	,	ק	٦
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40	ת	ש	מ	٦	ה	ה	,	Π	ה	ש	9	נ	ל	٥	ת	х	۱ ا	ם	,	ל	7	ړ	ה	ם	נ
line	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001
41	٦	١	ע	ל	5	ת	Х	١	ם	ה	נ	,	מ	ל	ם	,	מ	ה	า	צ	٦	ש	٦	w	х
line	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026
42	,	١	ב	١	מ	,	ב	ם	,	ה	ל	×	×	٦	,	١	١	ה	1	,	מ	ל	ף	נ	כ
line	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051
43	ا ا	מ	۱,	۱	ב	٦	١	,	ا ا	و	٦	מ	×	ל	ם	,	ה	ל	×	ם	ת	×	٦	٦	ב
line	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085		1083	1082	1081	1080		1078	1077	
44	r	۱,	×	ב	ב	٦	,	٦	,	ע	ה	۱,	ם	,	מ	,	ב	ם	١,	מ	ה	ת	8	١,	×
line	1125	1124	=	1122		1120	1119		1117	_		1114		1112		1110			1107					1102	
45	×	,	,	١,	ש	١,	מ	ח	ם	۱	,	١,	ק	ב	,	ה	,	,	ے ا	١,	ע	,	ה	,	١
line		1149	1148	1147		1145				1141	1140	1139	Ė	=	1136	1135	1134	1133	=	1131		1129		1127	1126
46	1	,	מ	5	ה	,	п	ש	פֿ	1	r	٦	×	ה	Х	צ	,	ת	ם ا	,	ا 1	۲,	×	٦	מ
line	1175	1174		1172		1170				1166		1164				1160	1159		=	1156		1154		1152	1151
47	ה	,	,	ا 1	١,	,	מ	ا ا	v	٦	Х	١,	ת	١,	п	١,	w	מ	٦	,	ה	מ	ה	ב	ה
lino		1199	1198		1196	1195		_	1192	1191			=	1187	=	1185			1182	1181	_		=	=	
line 48	١ ,	١,	מ	۱ ,	v	٦	×	ה	ת	,	п	ת	×	ם	١,	ה	ر ا	×	ש	ע	,	,	,	5	,
1	_	1224		1222	1221	1220				1216					1211	1210					1205	1204	1203		1201
line 49	7	*	ה	ש	מ		5	٦	ת	×	Ι,	ה	,	,	מ	5	ה	מ	ה		ה	ת	8	,	
1	1250					1245	1244	1243			1240		1238	1237		1235	_		_	1231				1227	ה 1226
line 50	×	,	,			ט	,	ב		,	ה	ל	×	×	٦	,	,		ה	١,	,	מ	ל	ה	מ
1		1274	1273	1272	1271	_	1269		_	1266	_				1261	1260	1259	1258	=	1256	1255				1251
line 51	ת		,				,	~	,	٠,,	_	_	_	,	_	***	,,	,				<u>ر</u>			•
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line 52		_				_			.,			_		_						_	_				١,
	1325		1323	מ 1322	1321	1320	ገ 1319	1318		1316	1315			1312		ر 1310	1309	1308		1306	1305	1304	1303	1302	1301
line 53									L								_		_						_
	1350	מ 1349	1348	1347	1346	2 1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326
line 54	ر ا	צ	ב	7	_	v	_		v	7	١,	_		×	×				١,	,,	_	v	_	ל	ע
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line 55	 	ב		,	,		ح					×	٦	ב	ے ا		ה	ן,	×	ם	ל	z	ב		מ
1.	=	=	ק 1398	_		1395		1393	1392	ת 1391	1390		1388		_	1385	_								
line 56			מ	×			ם	,	_		,	ם	ת	,	_	٦	_	,	,			,	8		_
1.	1425	1424	=		1421	1420		1418	1417	1416	1415		=	1412	1411	1410	1409	1408	1407	=	ת	1404		1402	1401
line 57	72	٦	v	_	ת	×	,	×	۲,	מ	,	١,	ב	٦	١,	,		Ð	ם	١,	ה	ל	×	ם	_
1	7 1450	1449	1448	ה 1447	=	=	1444		1442		1440		=	=		1435	1434		=	1431	=		=		ה 1426
line 58	,	מ	ש	ה	٦		ע	_		ם	,	ה	ת	ړ	,		,	7	٦	,	ا 1	ש	ے ا	ر ا	١,
1	1475					1470	_		1467		1465				1461	1460	1459		1457	1456			드		1451
line 59	8	٦	מ	×	,	,	r		×	ה	ל	ע	ת	ש	מ	٦	ה	ה	,	п	ا ا	5	ב	١,	ם
lino		1499			1496	1495	_		_	=					=	1485	=		1482		_		=		1476
line 60	,	ע	٦	,	ב	ש	ע	5	٦	ת	×	ם	ح	5	١,	ת	ת	נ	ה	,	ה		,	ה	١,
Line	<u> </u>	_	1523	1522		_		1518	1517	=	_			1512	1511	1510				1506			1503		1501
line 61	8	,,	ע	ה		_	ת	×		77	٦	×	ה	ן,		,	,	Ð	١ ,	ע	_	ש	8	ע	
1		1549			1546	1545			1542	7 1541	1540				1536	1535	1534		1532		1530			$\overline{}$	1526
line 62	٦	v	_	_			١,	7	_		١,,		١,	**	٦	,	,,	١,,	,	_	5				***
	1575	1574	1573	1572	1571	ה 1570	1569	1568	1567	1566	ע 1565	1564	1563	ע 1562	1561	1560	7 1559	ע 1558	1557	1556	1555	1554	1553	1552	1551
line 63	ם		w	,,,	_				L				١,,				_		,	ל		ל		_	ל
		1599	מ 1598	1597	1596	1595	ו 1594	ע 1593	1592	1591	ל 1590	1589	7 1588	1587	1586	1585	ת 1584	1583	1582		1580		1578	1577	
line 64																									
	ה		П	w	٥		1	ב		ש	×	r		×	ה	ל	ע	ש	מ	1		ל		ל	<u></u> 1

	line	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601
	65	×	٦	,	١	,	5	,	ה	5	١	ה	ל	٥	×	ל	ב	w	ע	ק	٦	,	ל	٥	ת	×
	line	1650	1649	1648	1647	1646	1645	1644		1642	1641		1639	1638	1637	1636	1635	1634		_	1631	1630	1629	1628	1627	1626
	66	7	×	מ	ב	,	ט	ה	נ	ה	١	ה	ש	ע	٦	ש	×	ל	٥	ת	×	ם	,	ה	ל	×
	line	1675	1674	1673	1672	1671	1670		1668		1666		1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651
	67	ر ا	5	,	١,	,	ש	ש	ה	ם	١	,	٦	ק	ב	,	ה	,	,	ב	٦	ע	,	ה	,	
	line	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689		1687	1686	=	1684	1683	1682	1681	1680	1679		1677	1676
	68	ה	ל	×	ל	כ	,	۱	ם	×	ב	צ	ל	٥	١	r	٦	х	ה	١,	ם	,	מ	ש	ה	
מקוה			1724		1722	1721	1720	1719					1714		1712					1707		1705		=	1702	1701
1713	line 69	,	ה	ש	ע		ש	×	,	ת	٥	Х	ל	* a	,	ע	,	ב	ש	ה	ם	,	,	٦	ם	,
+65						1746	Щ		1743				1739		1737		1735			\Box		1730	1729	1728		1726
	line 70							L		L								_								
		1775	1774	1773	ת 1772	1771	1770	1769	מ 1768	1767	1766	מ 1765	1764	لا 1763	1762	1761	1760	ה 1759	1758	1757	1756	1755	ת 1754	1753	1752	1751
	line 71				_		_								_	Ļ		_	_							
		1800	لا 1799	1798	1797	1796	1795	1794	1793	1792	ת 1791	1790	1789	1788	ה 1787	ל 1786	1785	1784	1783	1782	1781	1780	ה 1779	1778	ע 1777	1776
	line 72						_													_		ש		*		
	4.	1825	1824	ת 1823	1822	1821	1820	מ 1819	1818	1817	מ 1816	ת 1815	1814	₩ 1813	1812	1811	1810	1809	1808	ת 1807	1806		1804	1803	1802	1801
	line 73	_				۱ ۲			_	Ļ				ש	٠,	ל	_		_	_	,	,				,,,
		1850	ת 1849	1848	1847	1846	1845	ת	1843	1842	1841	ת 1840	1839	_	ע 1837		1835	1834	1833	1832	1831	1830	1829	1828	1827	1826
	line 74	ה	,	ת	,	ש	ע	ם	*	١,	ב	ם	Х	_	٦	7	٦	7,	٦	×	7	,	ם	,	מ	ש
	lina		1874		1872					1867			1864	1863	1862	1861	1860	7 1859			ה 1856			1853		
	line 75	ה	7	ש	ה	п	,	ש	5	_	١	ם	,	מ	ש		v	٦	×	ם	,	ה	5	Х	ה	
	line		1899				1895		1893	1892	1891		1889			1886	1885	1884			1881		1879			1876
	76	,	ا ا		ט	ה	7	ש	ה	ב	ש	ע	ל	٥	١	r	۱ ا	х	ב	ה	,	ה	,	ם	٦	ט
	line	1925	1924	_	$\overline{}$								1914		1912	_	1910		1908		1906		1904	$\overline{}$	1902	
	77	×	ה	ל	ע	ם	,	ה	ן	×	ה	١	ה	,	٦	,	ט	מ	* 7	×	ל	,	כ	Π	מ	צ
	line	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926
	78	ע	,	7	×	۱ ا	ה	מ	7	Х	ה	ת	×	7	ב	ע	ל	7	,	Ж	ם	7	Х	١	r	٦
	line	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951
	79	ה	מ	7	×	ה	,	נ	פֿ	ל	٥	ת	х	ה	ק	ש	ה	ו	r	٦	Х	ה	7	מ	ה	ל
	line	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976
	80	7	מ	٦	و	ע	ם	7	×	ה	ת	Х	ם	,	ה	ל	Х	ה	1	ה	,	٦	Z	,	,	١
	line	2025	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
	81	ה	,	1	ם		,	п	ת	מ	w	נ	<u> </u>	,	و	Х	ב	Π	5	,	1	ה	מ	7	Х	ה
	line	2050	2049	2048	2047	2046	2045	2044	2043	2042	2041	2040	2039	2038	2037	2036	2035	2034	2033	2032	2031	2030	2029	2028	2027	2026
	82	ם	,	ה	ל	8	ה	1	ה	,	ע	ט	,	1	ה	,	ח	v	5	1	ל	ם	7	×	ה	,
	line 83	2075	2074	2073	2072	20/1	2070	2069	2068	2067	2000	2065	2064	2063	2062	2061	2000	2059	2058	2057	2056	2055	2054	2053	2052	2051
		2100	2000	8	2005	7	8	ה	ת	8	מ	2000	2000	2000	2007	2006	2005	7	<u>ج</u>	מ	2001	7	ע	2070	2077	
מקוה 2093	line 84	2100	2099	2098	2097	2096	2095	2094	*	2092	2091	2090	2089	2088	2087	2086	2085	2084	2083	2082	2081	2080	2079	2078	2077	2076
+71	04	<u>ح</u>	ה	מ	7	×	ה	1	מ	ם	7	ה	ל	×	ה	ו	ה	,	Π	מ	Z	,	1	٢	צ	
	line	2125	2124	2123	2122	2121	2120	2119	2118	2117	2116	2115	2114	2113	2112	2111	2110	2109	2108	2107	2106	2105	2104	2103	2102	2101
	85	7150	7 21.40	ע	21.47	ל 2146	2145	2144	מ 2142	ל	ב	21.40	<u>ت</u>	2120	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2126	7	ත 2124	ל	7	מ	7120	2120	7 2120	ע 2127	ל
	line	2150	2149	2148	2147	2146	2145	2144	2145	2142	2141	2140	2139	2138	2137	2136	2133	2134	2133	2132	2131	2130	2129	2128	2127	2126
	86	2175	_	2172	2172	2171	2170	2160	2169	لا	7	7165	γ 2164	기 2163	2162	2161	2160	7 2150	2150	2157	ת	2155	2154	2152	2152	2151
	line 87						2170	2109	2100			2103	*		2102		2100	2137			2130		2134	2133	2132	2131
	07	2200	2199	2198	2197		2195	2194	ر 2193	2192	ת 2191	2190	ج 2189	2188	ה 2187	ر 2186	2185	2184	لا 2183	2182	2181	2180	2179	2178	2177	2176
	line 88														_	_		L		1.02						
		2225	2224	2223	ה 2222	2221	2220	2219	2218	2217	2216	2215	ה 2214	لا 2213	2212	ר 2211	2210	ל 2209	ה 2208	2207	ה 2206	2205	2204	2203	2202	
	line																									
	89	ה				П	ה	۲	-	X	_	ح	ת	Х	ב	ב	ס	ה	Х		ה			ש		-

Part	line	2250	2249	2248	2247	2246	2245	2244	2243	2242	2241	2240	2239	2238	2237	2236	2235	2234	2233	2232	2231	2230	2229	2228	2227	2226
1	90	ש	ב	ו	ט	×	١	ה	ה	r	_ ا	×	ה	ב	ה	7	1	ב	ה	7	ה	ם	ש	٦	ש	×
The column See See	line	2275	2274	2273	2272	2271	2270	2269	2268	2267	2266	2265	2264	2263	2262	2261	2260	2259	2258	2257	2256	2255	2254	2253	2252	2251
1	91	,	נ					נ	_			1				=	7			١	=	ל		=		
The color The		2300	2299	2298	2297	2296	2295	2294	2293	2292	2291	2290	2289	2288	2287	2286	2285	2284	2283	2282	2281	2280	2279	2278	2277	2276
190 190	92		7224	_	1	=	7	2210		ל				=		2211	=			2207		7	2204	=	2202	ر 2201
The color The		2323	2324	2323	2322	2321	2320	2319	2318	2317	2316	2313	2314	2313	2312	2311	2310	2309	2308	2307	2306 *	2303	2304	2303	2302	2301
Marco Marc	93		2349	ק 2348	2347	ر 2346	=	_		2342				_		2336		2334	ל 2333			2330		2328		2326
The column The			2347	2340		2340				2342	2341		2337				2333		2333		2331	2330	2327			
1	74		2374	2373		2371					2366		2364				2360				2356	2355	2354			
The column The																				L						_
Part		2400	کر 2399	2398	2397			2394	2393	2392						=		2384		2382			2379	=	2377	
Part		7	5	v	_		_	,	,	v	,	,	_	_	'n	,,,	۱ ,		7	7	_	17	5	,	7	17
Part	lima		2424					2419			2416	2415		2413			=	2409					2404	2403		
The column The		×	ת	ر ا	5	×	7	ג	ה	r	y	<u>ځ</u>	ב	<u>ත</u>	٦	ا ا	×	ر ا	ם	7	×	ה	۲	y	ם	,
Part	line			2448	_		2445	2444		_						=	=	_					2429			2426
Part		נ	מ	מ	ל	כ	Х	ת	×	ל	ע	٦	1	ב	١	ט	ת	ע	7	ה	r	ע	מ	1	ל	٥
Part	line	2475	2474	2473	2472	2471	2470	2469	2468	2467	2466	2465	2464	2463	2462	2461	2460	2459	2458	2457	_	2455	2454	2453	2452	2451
The column The		Х	,	١	ת	۱ ا	מ	ת	ת	٦	מ	ו	נ	מ	מ	٦	ל	٥	Х	ם	۱	,	ב	,	٥	ו
The color The	line	2500	2499	2498	2497	2496	2495	2494	2493	2492	2491	2490	2489	2488	2487	2486	2485	2484	2483	2482	2481	2480	2479	2478	2477	2476
	100	ל	ם	7	х	ה	ת	١	,	ה	ב	1	ט	х	ל	ם	,	ה	ל	х	ה	١	ה	,	٦	מ
The color The	line	2525	2524	2523	2522	2521	2520	2519	2518	2517	2516	2515	2514	2513	2512	2511	2510	2509	2508	2507	2506	2505	2504	2503	2502	2501
102 2	101		i	=	,	٦		,	١	<u></u>			=	=		7		<u> </u>		ה				ı		
The color of the		2550	2549	2548	2547	2546	2545	2544	2543	2542	2541	2540	2539	2538	2537	2536	2535	2534	2533	2532	2531	2530	2529	2528	2527	2526
103 103 105	102				1	=		_			,			_			7			7	=		,		ל	
Time 1000 2509		2575	2574	2573	2572	2571	2570	2569	2568	2567	2566	2565	2564	2563	2562	2561	2560	2559	2558	2557	2556	2555	2554	2553	2552	2551
Ince 104 20 20 20 20 20 20 20				2508		2506	ر 2505		2503			ر 2590	=		2587	2586	2585	드	2583				2579	2578		خ 2576
Image Cots	line		2377					2374	,		2371		2367	2366			,			2362	,		231)	2376	2377	2370
105 105			2624	_	_	_	_	2619	7 2618		2616	_	2614	2613			ל 2610	=		2607	7 2606		2604	Ë	2602	
Thing 2650 2649 2648 2647 2646 2645 2644 2643 2642 2641 2640 2659 2658 2637 2636 2635 2636 2635 2634 2633 2632 2631 2630 2629 2626 2630 2630 2630 2635 2634 2633 2632 2631 2630 2629 2626 2630													_							ι,		_				
106 w 3	Lina		2649		2647				_	=			2639		2637	2636	2635				2631			2628		2626
The color The		777	7	ח	,	π	۱ ,	٦	١,		ח	,	n	777	7	, n	,	١,	١,		7	n	7	٦	7	5
107 108 109 2699 2699 2699 2690 2696 2695 2694 2693 2692 2691 2690 2689 2688 2687 2686 2685 2684 2683 2682 2681 2680 2692 2696 2695 2696 2695 2694 2693 2692 2691 2690 2689 2688 2687 2686 2685 2684 2683 2682 2681 2680 2692 2696 2686 2686 2686 2686 2685 2684 2683 2682 2681 2680 2696 2696 2696 2696 2696 2696 2696 2686 2686 2686 2686 2686 2685 2684 2683 2682 2681 2680 2680 2696 2696 2696 2696 2686 2686 2686 2686 2686 2685 2684 2683 2682 2681 2680 2680 2696 2696 2696 2686 2686 2686 2686 2686 2685 2684 2683 2682 2681 2680 2686 268	line		=		2672		2670			2667		2665				<u></u>	2660			2657				2653		2651
line 108		,	ל	5	,		1	7	ړ	נ	כ	ר	7	ע	Х	z	מ	×	ל	ם	7	×	ל	٦	ה	7
108		2700	2699	2698	2697	2696	2695	2694	2693	2692	2691	2690	2689	2688	2687	2686	2685	2684	2683	2682	2681	2680	2679	2678	2677	2676
line 109 2 7 8 8 7 8 8 7 8 8 7 8 8		١	7	ש	_ ,	,	1	ם	7	×	ה	ל	ע	ה	מ	7	٦	ת	ם	,	ה	ל	х	ה	١	ה
The color of the	line	2725	2724	2723	2722	2721	2720	2719	2718	2717	2716	2715	2714	2713	2712	2711	2710	2709	2708	2707	2706	2705	2704	2703	2702	2701
line	109	נ	ת	Π	ת	٦	w	ב	ר_	ړ	٥	,	1	1	,	ת	ע	ל	צ	מ	ת	Π	Х	Π	ק	,
The control of the	line	2750	2749	2748	2747	2746	2745	2744	2743	2742	2741	2740	2739	2738	2737	2736	2735	2734	2733	2732	2731	2730	2729	2728	2727	2726
Incorporation Incorporatio Incorporation Incorporation Incorporation Incorporation	110		ל	ר_				ל			_			,		ל		=		_	,	7		,	1	
The color of the		2775	2774	2773	2772	2771	2770	2769	2768	2767	2766	2765	2764	2763	2762	2761	2760	2759	2758	2757	2756	2755	2754	2753	2752	2751
Secondary Seco	111		,	1										,	1			=	ל					7		
+35 112 7 w 2 1 v 2 x x x x x x x x x		2800	2799	2798	2797	2796	2795	2794	2793	2792	2791	2790	2789	2788	2787	2786	2785	2784	2783	2782	2781	2780	2779	2778	2777	2776
line 113		٦			ו	,					\square		Щ					\square				7			٦	
line 114	line	2825	2824	2823	2822	2821	2820	2819	2818	2817	2816	2815	2814	2813	2812	2811	2810	2809	2808	2807	2806	2805	2804	2803	2802	2801
line 114	113		7	7840	_	2046			2042	2842	_	=	=				2025				=	2920	2920			
2875 2874 2873 2872 2871 2870 2869 2868 2867 2866 2865 2864 2863 2862 2861 2860 2859 2858 2857 2856 2855 2854 2853 2852 2851			2849	2848	2847	∠846 *	2845			2842	2841		2839	2858	2837	2836	2835	2834	2833	2852	2831	2830	2829	2828	282/	2826
line 500	114				2872	2871	2870		_				2864	=				2859	2858	=	2856			_		
	line	-5/5				_071					-550	_505	_004	_565	_002			-039		"		_055	_054	_055	-552	_5571

115 ת W מ 7 line 116 W מ ¥ 7 7 2915 2914 2913 2912 2911 2906 2905 2904 2903 2902 2901 line 117 ה ה VW מ ם ¥ W ת 2936 2942 2941 2934 2933 2932 2931 2928 2927 2926 line 118 ל 7 מ ם ה Х 7 ה \mathbf{w} ¥ W ה 7 2963 2962 2961 line 119 מ ٦ ٦ ץ ה

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Next in Figure 12 the word מקוה (gathering of water) is exhibited. There is a cluster of ten words around the explicit מקוה in the first 40 lines of Figure 12 while in the other two 40 line segments, in Figure 12, the word appears once or twice. Note that this time the hidden words do not cross over the explicit one so that the letters of the explicit one cause the cluster.

5

Figure 13

The Letters of Genesis Chapter 1:1 to Genesis 3:1 Place /Place See the side of the chart to find the various locations of <u>Place</u> in code.

Note: The Hebrew letter 'a' when it appears at the end of a word looks like this z

	Note: The Hebrew letter "a" when it appears at the end of a word looks like this "a" 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2																									
	line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
	1	ה	ת	×	١	ם	,	מ	w	ה	ת	8	ם	,	ה	ל	Ж	×	٦	ב	ת	,	w	Х	٦	ב
	line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
	2	ל	ע	٦	ש	п	1	١	ה	ב	ו	1	ה	ת	ה	ת	,	ה	r	٦	х	ה	١	r	٦	х
	line	75	74	73	72	71	70	69	68	67 *	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
	3	נ	Ð	ל	ע	ת	Ð	Π	٦	מ	ם	,	ה	ל	х	Π	١	٦	٦	ם	١	ה	ת	,	נ	Ð
	line	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76
	4	,	ה	,	١	٦	١	х	,	ה	,	ם	,	ה	ל	Х	٦	מ	х	,	١	ם	,	מ	ה	,
	line	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
	5	,	١	ב	١	מ	,	٥	٦	١	×	ה	ת	Х	ם	,	ה	ל	х	Х	٦	,	١	ר	١	х
	line	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126
	6	,	٦	٦	ש	ח	ה	7	,	ב	١	٦	١,	×	ה	7	,	_	ם	,	ה	ر ا	Х	۲	7	ב
	1.	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151
	line 7		,							,						*		,	*			,				
		200	ל	X	197	ج ا	105	ש	100	ל	101	100	100	,	٦	106	105	ל	ם	100	ה	ל	*	720	٦	آ
	line	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185 *	184	183	182	181	180	179	178	177	176
	8	Х	,	ו	7	Π	Х	ם	١	,	٦	آ	ב	,	ה	,	ן	ב	٦	ע	,	ה	,	١	ה	ל
מקום	line	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201
207 +5	9	ה	,	ו	ם	,	מ	ה	٦	ו	ת	ב	ע	,	ק	٦	,	ה	,	ם	,	ה	ל	х	٦	מ
מקום	line	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
239	10	ם	,	ה	ל	х	ש	ע	,	١	ם	,	מ מ	ל	ם	,	מ	7	,	ב	ל	,	7	ב	מ	,
2,	1.	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251
	line 11														,							*				
	11	П	ת	מ	٦	v	×	ם	,	מ	ה	7	'	ב	ל	7	ב	,	1	ע	,	ק	٦	ה	ת	×

מקום	line	300	299	298 *	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282 *	281	280	279	278	277	276
289 +9	12	ע	,	ج	٦	ל	ל	ע	מ	٦	w	×	ם	,	מ	ה	7	,	ב	י.	ע	,	ק	٦	ל	ת
	line	325	324	323	322	321	320	319	318	317	316	315	314	313	312	311	310	309	308	307 *	306	305	304	303	302	301
	13	ם	,	מ	w	ע	,	7	٦	ל	ם	,	ה	ל	х	х	٦	ק	,	١	7	٥	,	ה	,	
מקום 349	line	350	349 *	348	347	346	345	344	343	342	341	340	339	338	337	336	335	334	333	332	331	330	329	328	327	326
-94	14	٦	מ	×	,	١	,	נ	w	ם	١	,	٦	ק	ב	,	ה	,	ו	ב	٦	ע	,	ה	,	١
מקום	line	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361 *	360	359 *	358	357 *	356	355 *	354	353	352	351
355 +2	15	מ	ל	×	ם	,	מ	w	ה	ת	п	ת	מ	ם	,	מ	ה	ו	ו	ק	,	ם	,	ה	ל	х
	line	400	399	398	397	396	395	394	393	392	391	390	389	388	387	386	385	384	383	382 *	381	380	379	378	377	376
	16	7	,	١	7	د	,	ה	,	1	ה	ש	ב	,	ה	ה	×	٦	ת	١	7	п	Ж	ם	۱	٦
מקום 418	line	425 *	424	423	422	421	420	419	418 *	417	416	415	414	413	412	411	410	409	408	407	406	405	404	403	402	401
-18	17	ם	,	מ	ה	ה	١	7	מ	ל	٦	r	٦	Ж	ה	v	ב	,	ל	ם	,	ה	ל	Х	×	٦
מקום 432	line	450	449	448	447	446	445	444	443	442	441	440	439	438	437	436	435	434	433	432 *	431	430	429	428	427	426
-75	18	מ	×	,	1	ב	ו	מ	,	כ	ם	,	ה	ל	х	х	٦	,	١	ם	,	מ	,	Х	٦	ק
	line	475	474	473	472	471	470	469	468	467	466	465	464	463	462	461	460	459	458	457	456	455	454	453	452	451
	19	ע	,	۲	107	מ	ב	ש	ע	×	ש	7	۲ ا	۲۵۵	X 105	ה	X	ש	7	ת	ם	,	ה 170	ל	*	7
	line 20	500	499	498	497	496	495	494	493	492	491	490	489	488	487	486	485	484	483	482	481	480	479	478	477	476
	20	り 525	524	523	522	521	520	519	518	517	516	ל 515	514	513	512	511	510	لا 509	508	507	506	γ 505	لا 504	لا 503	502	501
	line 21	_			,												*		_			5				
	lino	550	7 549	548	547	546	545	3 544	543	ת 542	541	540	539	538	537	536	535	۲ 534	533	532	531	530	لا 529	528	527	526
	line 22	ה	w	ע	r	ע	۱ ,	۱	ה	נ	,	מ	ל	ע	٦	7	ע	,	٦	ī	מ	ב	ש	ע	Х	w
	line	575	574	573	572	571	570	569	568	567	566	565	564	563	562	561	560	559	558	557	556	555	554	553	552	551
	23	ה	ל	×	х	٦	,	1	ו	ה	נ	,	מ	ל	1	ב	ו	ע	ר	7	٦	w	х	,	٦	٥
	line	600	599	598	597	596	595 *	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576
	24	ש	ם	1	,	۲ ا	ק	ב	,	ה	,	1	ב	۲	ע	,	<u>ה</u>	,	1	ב	۱	מ	504	٥	ם	-
	line 25	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601
		650	ج 649	648	647	ת 646	645	644	643	642	641	640	639	638	637	ל 636	635	634	633	632	631	630	629	628	627	خ 626
	line 26	ל	ה	,	,	ב	۱ ۱	ם	١	,	ה	,	,	ב	ל	,	7	ב	ה	ל	ם	,	מ	ש	ה	ע
	line	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651
	27	ם	,	מ	,	ל	١	ם	,	7	ע	۱ ا	מ	ל	۱ ا	ת	ת	х	ל	١	,	ה	ו	ה	ל	,
מקום	line	700	699	698	697	696	695	694	693	692	691	690	689	688	687	686	685	684	683	682	681	680	679	678	677	676
680 -85	28	ם	,	מ	ש	ה	ע	,	7	٦	ב	ת	٦	١	х	מ	ל	١	,	ה	1	ם	,	נ	ש	۱
	line	725	724	723	722	721	720	719	718	717	716	715	714	713	712	711	710	709	708	707	706	705	704	703	702	701
	29	,	ה	ל	х	w	ע	,	1	7	כ	,	ה	,	ו	r	٦	х	ה	ל	ע	٦	,	х	ה	ל
	line	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726
	30	775	774	773	772	ත 771	770	ת 769	7 68	767	766	ל 765	7	ر 763	762	ת 761	760	X	カ 758	ה 757	756	755	754	ת 753	X 752	751
	line 31	113											704			701										
		800	ි 799	798	797	796	795	794	793	792	791	790	789	788	787	786	785	ת 784	ל 783	782	מ 781	780	ל 779	ל 778	777	776
	line 32	,	ת	,	,	ם	,	ב	כ	1	ے	ה	ת	Х		ה	ל	,	ל	ה	ת	ל	ש	מ	מ	ל
	line	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801
	33	ל	ע	٦	,	х	ה	ל	ם	,	מ	ש	ה	ע	,	ק	٦	ב	ם	,	ה	ל	Ж	ם	ת	×
	line	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826
	34	,	7	ב	ה	ל	١	ה	ל	,	ל		<u>_</u> 1	ם	1	,	ב	ל	ש	מ	ל	<u></u>	r	٦	х	ה
	line	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851
	35	900	899	ה 898	ל 897	896	8 95	894	893	892	891	2 890	889	888	887	886	885	884	883	882	881	ה 880	879	878	ا ت	ל 876
	line 36	700						3)4			371									302					<u> </u>	
		<u> </u>	ב	ר	ם	<u> </u>			ק	ב	<u>_</u>	ה		<u>י</u>	ב	ר	ע		ה		ו	ב	1	מ		اد

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	line	925	924	923	922	921	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901
	37	1	r	٦	ש	ם	,	מ	ה	۱,	צ	٦	ש	,	ם	,	ה	ל	Х	٦	מ	Х	,	١	,	ע
	line	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926
	38	,	נ	5	ל	ע	r	٦	Х	ה	ל	ע	ף	5	ı	ע	,	ŋ	١	ע	١	ה	,	п	ש	Ð
	line	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951
	39	,	נ	ת	ה	ת	×	ם	,	ה	ל	×	×	٦	ב	,	١	ם	,	מ	ש	ה	ע	,	ק	٦
	line	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976
	40	ת	ש	מ	٦	ה	ה	,	п	ה	ש	و ا	נ	ל	כ	ת	×	١	ם	,	ל	7	ړ	ה	ם	נ
	line	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001
	41	ך	١	ע	ל		ת	×	١	ם	ה	נ	,	מ	ל	ם	,	מ	ה	١,	צ	٦	w	٦	ש	Х
	line	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026
	42	,	۱,	ב	١	ט	١,	حا	ם	,	ה	ל	Х	×	٦	,	۱,	١	ה	נ	,	מ	ל	٦	נ	כ
	line	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051
	43	ל	מ	١	1	ב	٦	1	١	٦	5	٦	מ	×	ל	ם	,	ה	ל	×	ם	ת	×	٦	٦	ב
	line	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076
	44	r	٦	Ж	ב	ב	٦	,	٦	۱ ۱	ע	ה	۱	ם	,	מ	,	ב	ם	,	מ	ה	ת	×	۱	х
	line	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101
	line	×	,	1	,	w	,	מ	Π	ם	1	,	٦	ק	ב	,	ה	,	١	ב	٦	ע	,	ה	,	١
		1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126
	46	נ	,	מ	ל	ה	,	п	w	פֿ	נ	r	٦	Х	ה	×	צ	١	ת	ם	,	ה	ל	х	٦	מ
	line	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151
	47	ה	,	1	ה	נ	,	מ	ל	r	٦	Х	١	ת	,	п	ו	w	מ	٦	1	ה	מ	ה	ב	ה
	line	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176
	48	נ	,	מ	ל	r	٦	×	ה	ת	,	Π	ת	Х	ם	,	ה	ל	Х	w	ע	,	١	7	כ	,
	line	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201
	49	7	Х	ה	ש	מ	ר_	ל	٥	ת	×	1	ה	נ	,	מ	ל	ה	מ	ה	ב	ה	ת	х	1	ה
	line		1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226
	50	,,	,	١	ב	<u> </u>	ט	,	٥	ם	,	ה	ל	Х	×	٦	,	1	1	ה	נ	,	מ	ל	ה	מ
	line	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251
	51	1200	1299	מ 1298	1207	1296	1295	1204	מ 1293	ל 1202	1201	1200	1290	1200	1297	1296	1295	1294	1202	1292	1281	ה 1280	ל 1270	ነ 1278	ר 1277	מ 1276
	line 52	1300	1299	1298	1297	1290	1293	1294	1293	1292	1291	1290	1209	1288	1287	1286	1283	1264	1263	1202	1201	1260	1279	12/8	12//	12/0
	32	1225	1224	1222	מ	ש	1220	1210	1210	ע	1216	1215	1214	1212	ה	ת	لا 1210	1200	1200	1207	1206	1205	1204	1202	1302	1201
מקום 1320	line 53	1323	1324	1323	1322	1321	1320	1319	1318	1317	1310	1313	1314	1313	1312	1311	1310	1309	1308	1307	1306	1303	1304	1303	1302	1301
+53	33	v	מ	٦	ה	v	מ	٦_	ה	ל	٥	ב	1	r	۲	×	ה	ל	٥	ב	1	ה	מ	ה	ב	ב
	line	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326
	54	ל	법 1374	ב	1272	7 1371	1270	7 1369	ת	1267	1266	1265	7	ל 1262	1262	1261	٦ (1260	1250	1250	1257	γ 1356	1255	1254	7	ל 1352	لا 1251
	line 55	13/3	1374	*	1372	13/1	1370	1309	1368	1307	1300	1303	1304	1303	1302	1301	1300	1339	1336	1337	1550	1333	1334	1333	1332	1331
		1400	1399	7 7 1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	ל 1383	1382	1381	ל 1380	1379	1378	1377	カ 1376
	line 56		13//			1370			1373		,					1300	1303		1303	1302					1377	1370
	50	-	1424	מ 1423	1422	1421	1420	1419	1418	ה 1417	ל 1416	1415	1414	ת	1412	1411	ר 1410	1409	1408	1407	1406	ת	1404	1403	1402	1401
	line 57				_					<u>,</u>								_								
		1450	1449	1448	1447	ת 1446	1445	1444	1443	7 1442	מ 1441	1440	1439	1438	ר 1437	1436	1435	1434	1433	1432	1431	ה 1430	7	1428	1427	7 1426
	line 58				_														_							*
	1.	1475	מ 1474	1473	7 1472	1471	1470	ע 1469	1468	1467	1466	1465	1464	ת 1463	ر 1462	=	1460	1459	7 1458	1457	1456	1455	1454	1453	1452	1451
	line 59	8	٦	מ	×	,	,	,		×		5	ע	٦	ש	מ		٦,	7	,	7	١,	_	ב	ļ	ח
	lina		1499		1497	1496	1495	7 1494	1493		ה 1491	1490		ת 1488		=	1485	ה 1484	1483	1482	1481	1480	1479	_	1477	1476
	line 60	,	ע	٦	ī	_	ש	ע	ל	ح	ת	×	ם	٥	ל	,	ת	ת	נ	ה	נ	ה	*	,	ה	ار ا
	line		1524	1523	1522		1520							1513		1511			_		1506			1503	1502	1501
	61	×	r	ע	ה	ל	כ	ת	Х	,	r	٦	×	ה	ל	_ د	,	נ	פֿ	ر ا	ע	٦	w	Х	ע	
	line		_			1546		1544				1540			=	=	1535	1534		_		1530			1527	1526
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	line	2200	2199	2198	2197	2196	2195	2194	2193	2192	2191	2190	2189	2188	2187	2186	2185	2184	2183	2182	2181	2180	2179	2178	2177	2176
	88	7	п	х	ה	ם	w	ם	,	ש	х	٦	ה	ע	ב	٦	Х	ל	ה	,	ה	۱	7	٦	Ð	,
	line	2225	2224	2223	2222	2221	2220	2219	2218	2217	2216	2215	2214	2213	2212	2211	2210	2209	2208	2207	2206	2205	2204	2203	2202	2201
	89	ה	ל	,	١	п	ה	r	٦	Х	ל	כ	ת	Х	ב	ב	ס	ה	Х	١	ה	7	١	w	,	פ
	line	2250	2249	2248	2247	2246	2245	2244	2243	2242	2241	2240	2239	2238	2237	2236	2235	2234	2233	2232	2231	2230	2229	2228	2227	2226
	90	w	ב	۱ ا	ט	Х	1	ה	ה	r	٦	Х	ה	ב	ה	7	1	ב	ה	7	ה	ם	w	٦	ש	×
	line	2275	2274	2273	2272	2271	2270	2269	2268	2267	2266	2265	2264	2263	2262	2261	2260	2259	2258	2257	2256	2255	2254	2253	2252	2251
	91	,	נ	w	ה	٦	ה	נ	ה	ם	w	۱	ם	ה	ש	ה	7	ב	Х	١	п	ל	7	ב	ה	ם
	line	2300	2299	2298	2297	2296	2295	2294	2293	2292	2291	2290	2289	2288	2287	2286	2285	2284	2283	2282	2281	2280	2279	2278	2277	2276
	92	w	١	ש	۱	כ	r	٦	Х	ל	כ	ת	Х	ב	ב	۱ ا	ס	ה	Х	١	ה	7	۱,	п	,	اد
	line	2325	2324	2323	2322	2321	2320	2319	2318	2317	2316	2315	2314	2313	2312	2311	2310	2309	2308	2307	2306	2305	2304	2303	2302	2301
	93	מ	7	ק	٦	ל	ה	ה	Х	١	ה	ל	ا	7	п	,	ש	,	ל	w	ה	٦	ה	1	ה	ם
	line	2350	2349	2348	2347	2346	2345	2344	2343	2342	2341	2340	2339	2338	2337	2336	2335	2334	2333	2332	2331	2330	2329	2328	2327	2326
	94	ק	,	١	ת	٦	9	Х	١	ה	,	ע	١,	ב	٦	ה	٦	ה	נ	ה	1	٦	١,	ש	х	ת
	line		2374	2373	2372	2371	2370	2369	2368	2367	2366	2365	2364	2363	2362	2361	2360	2359	2358		2356	2355	2354	2353	2352	2351
	95	7	ړ	ב	,	ה	п	נ	,	١,	ם	7	×	ה	ת	×	ם	,	ה	ל	×	ה	١,	ה	,	п
	line	2400	2399	2398	2397	=	2395	2394	2393	2392					=	2386		2384		2382	2381	=	2379	2378	2377	
	96	ה	ל	×	ה	۱ ،	ה	,	١	צ	,	١,	ה	٦	מ	ש	ا ا	١,	ה	7	ב	ע	ל	۱ ,	7	ע
	line	2425	2424			2421		2419	2418		2416	2415		2413			2410	2409		2407		2405	2404	2403	2402	2401
	97	8	ת	ا ا		×	7	ג	ה	r	ע	۲	٥	מ	۱ ا	מ	×	ر ا	ם	7	Х	ה	ر ا	ע	ם	,
	line			_	2447	_	2445	2444		_		2440			=	=		2434		2432		_	2429		2427	2426
	98	נ	מ	מ	5	כ	×	ת	х	ל	ע	٦	,	ב	١,	ט	ת	ע	7	ה	r	ע	מ	,	<u>ځ</u>	_
	line	=	_	_	2472			2469				2465	2464		2462	_					_			2453	2452	2451
	99	8	,	,	ת	۱	מ	ת	ת	١	מ	,	נ	מ	מ	٦	5	٥	Х	ם	,	١,	ב	,	٦	
	line		2499	2498			=	2494				2490			=	2486	2485					2480	=	2478	2477	2476
	100	,	ם	7	×	ה	ת	,	,	ה	٦	,	ט	×	١,	ם	,	7	5	Х	ה	١,	ה	,	٦	n
	lima	2525		2523	2522			2519	2518		2516	2515			2512		2510	2509	2508		_	2505	_	2503	2502	2501
	line 101	ה	١,	ה	١,	٦	צ	,	١	,	7	ړ	נ	٦	٦	7	ע		5	7	ש	ע	×	,	7	
	\square				2547	2546		2544	2543	2542				2538	2537	2536		2534	2533	2532				2528		2526
	102	5	ת	×	,	ה	7	ש	ה	ת	,	π	ا ا	ے ا	ה	מ	7	Х	ה	,	מ	ם	,	7	<u>ځ</u>	8
	line	2575	2574		2572	-	2570				2566		2564					2559	2558	2557	2556		2554		2552	2551
	103	מ	ת	١,	×	٦	ל	ם	7	×	ה	ל	×	×	ב	,	,	ם	,	מ	ש	ה	ף	,	ע	ہ
	line			2598		2596		2594				=	2589			2586	2585	=	2583			=	2579	2578	2577	2576
	104	פֿ	1	ا ا	7	×	ה	,	۲	×	٦	ק	,	٦	ש	×	ا ا	ے ا	١,	,	<u>ځ</u>	×	۱ ٦	ק	,	ה
	line		2624			=	=	2619	2618		2616	=	2614	2613			2610	=	2608	2607	2606	=	2604	i i	2602	
	105	ر ا	,	ת	,	מ	ש	ם	7	Х	ה	×	7	ק	,	١	,	מ	ש	Х	ן	ה	ה	,	п	ש
	line	=	2649		2647			2644	=				2639		2637	2636	2635	=	=		2631	_	_	2628	_	
	106	ש	ה	ת	,	п	ל	ב	ל	۱ ,	ם	,	מ	ש	ה	ף	,	ע	ל	١	ה	מ	ה	ב	ה	ا
	line	2675			2672		_	2669				2665				_	2660	_		2657						2651
	107	,	ا ا	و	,	۱,	۱	7	ړ	1	٥	٦	,	ע	×	z	מ	×	ל	ם	7	×	ל	١	ה	7
	line	2700	2699	2698	2697	2696	2695	2694	2693	2692	2691	2690	2689						2683		2681	2680	2679	2678	2677	
	108	,	١,	ש	,	١,	١,	ם	7	×	ה	ל	ע	ה	מ	7	٦	ת	ם	,	ה	ל	×	ה	١,	ה
	line	2725	2724	=	2722	2721		2719				=					2710			2707		2705			2702	
	109	١,	ת	ח	ת	٦	ש	٦	٦	ړ	٥	,	,	,	,	ת	ע	5	y	מ	ת	ח	×	п	ק	,
	line	2750				2746		2744				2740	2739	2738	2737		2735	2734			2731		2729			2726
	110	ק	5		ש	×	ע	5	z	ה	ת	х	ם	,	ה	ל	×	ה	١,	ה	,	7	ב	,	,	ה
מקום	1:		2774					2769			2766		2764	2763				=			2756	2755	2754	2753	2752	
2757	line 111	×	,	,	ם	7	×	_	ל	×	_	×	ב	,	,		ש	×	۱ ۲	*	7	v	_		,	π
+54			2700		2797			2794			2791		2789	2789	2787	2786			2782			2780	2779	2778	מ 2777	
מקום 2795	line	2000	2133	2170	2171	2190	*	2174	2193	2192	2171	2170	2109	2/66	2161	2780	2763	2/04	2/03	2/02	2/61	2780	2119	2//8	2111	2//0
+29	112	٢_	ש	<u>ح</u>	וַ	,	מ	צ	ע	מ	ם	צ	ע	ם	ע	5	ה	ת	Х	7	ם	7	×	ה	۲	מ

line	2825	2824 *	2823	2822	2821	2820	2819	2818	2817	2816	2815	2814	2813	2812	2811	2810	2809	2808	2807	2806	2805	2804	2803	2802	2801
113	п	ק	ל	ש	,	×	מ	,	٥	ה	w	×	×	٦	ק	,	ת	×	7	ל	,	٦	w	ב	מ
line	2850	2849	2848	2847	2846	2845	2844	2843	2842	2841	2840	2839	2838	2837	2836	2835	2834	2833	2832	2831	2830	2829	2828	2827	2826
114	×	ת	×	1	ו	,	ב	×	ת	×	ש	,	×	ב	7	ע	,	7	ح	ל	ע	ת	×	7	ה
line	2875	2874	2873	2872	2871	2870	2869	2868	2867	2866	2865	2864	2863	2862	2861	2860	2859	2858	2857	2856	2855	2854	2853 *	2852	2851
115	ה	,	ו	7	п	×	٦	w	ב	ל	1	,	ה	١	١	ת	ש	Х	ב	7	ב	7	١	า	מ
line	2900	2899	2898	2897	2896	2895	2894	2893	2892	2891	2890	2889	2888	2887	2886	2885	2884	2883	2882 *	2881	2880	2879	2878	2877	2876
116	Х	ל	1	ו	ת	ש	х	۱	ם	7	8	ה	ם	,	מ	١	٦	ע	ם	ה	,	נ	w	ו	,
line	2925	2924	2923	2922	2921	2920	2919 *	2918	2917	2916	2915	2914	2913	2912	2911	2910	2909	2908	2907	2906	2905	2904	2903	2902	2901
117	ה	ת	,	Π	ל	c	מ	ם	1	٦	ע	ה	,	ה	w	Π	נ	ה	1	ו	ש	ש	ב	ת	,
line	2950	2949	2948	2947	2946	2945	2944	2943	2942	2941	2940	2939	2938	2937	2936	2935	2934	2933	2932	2931	2930	2929	2928	2927	2926
118	ל	×	٦	מ	×	,	١	ם	,	ה	ל	×	ה	1	ה	,	ה	ש	ע	٦	w	Х	ה	7	w
line	2975	2974	2973	2972	2971	2970	2969	2968	2967	2966	2965	2964	2963	2962	2961	2960	2959	2958	2957	2956	2955	2954	2953	2952	2951
119	כ	מ	1	ל	٥	Х	ת	х	ל	ם	,	ה	ל	х	٦	מ	х	,	٥	٦	Х	ה	w	Х	ה
																				2981	2980	2979	2978	2977	2976
																				,	,	_	v	17	5

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Figure 13 demonstrates a similar effect with the word מקום surrounded by a cluster of eight hidden words, while in the second and third segments of 40 lines, there are all together four hidden words.

5

The results for long words are especially interesting. Obviously, the longer a word is, the smaller are its chances to be found in a text at a given interval.

Figure 14

The Letters of Genesis Chapter 1:1 to Genesis 3:1

The Appointed Times

As they were created

The Havila

See the side of the chart to find the various locations of the above words in code.

Note: The Hebrew letter \uppi when it appears at the end of a word looks like this \uppi

line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
1	ה	ת	Х	1	ם	,	מ	w	ה	ת	Х	ם	,	ה	ל	х	Х	٦	ב	ת	,	ש	х	٦	ב
line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
2	ל	ע	٦	ש	Π	٦	١	ה	ב	١	١	ה	ת	ה	ת	,	ה	r	٦	х	ה	٦	ŗ	٦	Ж
line	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51
3	נ	5	ל	ע	ת	5	Π	٦	מ	ם	,	ה	ל	х	Π	٦	٦	٦	ם	١	ה	л	,	נ	Đ
line	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76
4	,	ה	,	1	٦	١	Х	,	ה	,	ם	,	ה	ל	х	٦	מ	Х	,	١	ם	,	מ	ה	,
line	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	101
5	,	1	ב	۱	ט	,	٥	٦	١	х	ה	ת	Х	ם	,	ה	ל	х	×	٦	,	1	٦	١	х
line	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	126
6	,	1	٦	ש	П	ה	7	,	ב	١	ר	١	Х	ה	7	,	ב	ם	,	ה	ל	Х	ל	7	ב
line	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	151
7	,	ל	Х	٦	F	٦	ש	П	ל	١	ם	١	,	٦	١	Х	ל	ם	,	ה	ל	Х	х	٦	ק
line	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	176
8	×	,	۱ ا	7	П	х	ם	١	,	٦	ק	ב	,	ה	,	۱	ב	٦	ע	,	ה	,	١	ה	ל
line	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	201

		9	ה	,	١	ם	,	מ	ה	٦	ן	ת	ב	ע	,	ק	٦	,	ה	,	ם	,	ה	ל	Х	٦	מ
RG		line	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
WWW.VILNAGAON.ORG		10	275	274	ה 273	ל 272	X	270	لا 269	268	1 267	266	265	ත 264	ל 263	262	261	ත 260	259	258	257	خ 256	255	7 254	253	מ 252	251
AGA		line 11	Π	ת	מ	٦	ש	×	ם	,	מ	ה	7	,	ב	ל	7	ב	,	,	ע	,	ק	٦	ה	ת	×
VILN		line	300	299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	278	277	276
WW.		12	ע	7	ק	٦	ל	ל	ע	מ	٦	w	×	ם	,	מ	ה	7	,	ב	١	ע	,	ק	٦	ל	ת
11		line	325	324	323	322	321	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301
		13	350	349	מ 348	۳ 347	لا 346	345	7 344	343	ל 342	341	340	ה 339	ל 338	337	X	335	٦ 334	333	332	331	330	329	328	327	326
		line 14	٦	מ	8	,	,	,	נ	ש	ם		,	٦	ק	ב	,	ה	,	1	ב	٦	ע	,	ה	,	
RG		line	375	374	373	372	371	370	369	368	367	366	365	364	363	362	361	360	359	358	357	356	355	354	353	352	351
0.N.O		15	מ	ל	х	ם	,	מ	w	ה	ת	Π	ת	מ	ם	,	מ	ה	ı	1	ק	,	ם	,	ה	ל	×
AGA		line	400	399	398	397	396	395	394	393	392	391	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376
WWW.VILNAGAON.ORG		16	ק 425	424	423	422	421	420	ה 419	418	٦ 417	ה 416	₩ 415	414	413	ה 412	ה 411	X	٦ 409	ת 408	407	406	405	X	403	402	マ 401
WW		line 17	ם	,	מ	ה	ה	,	ק	מ	ל	٦	r	٦	х	ה	ש	ב	,	ל	ם	,	ה	ל	х	х	٦
1		line	450	449	448	447	446	445	444	443	442	441	440	439	438	437	436	435	434	433	432	431	430	429	428	427	426
		18	מ	х	,	١	ב	ו	מ	,	כ	ם	,	ה	ל	х	×	٦	,	١	ם	,	מ	,	к	٦	ק
		line	475	474	473	472	471	470	469	468	467	466	465	464	463	462	461	460	459	458	457	456	455	454	453	452	451
RG		19	لا 500	499	٦ 498	7	ත 496	ב 495	₩ 494	꼬 493	X	W 491	7	γ 489	٦ 488	8	7 486	X	₩ 484	483	ח 482	481	480	ה 479	ל 478	X	٦ 476
WWW.VILNAGAON.ORG		line 20	ע	٦	ī	٦	ש	×	٦	1	,	מ	ל	,	٦	ē	ה	ש	ע	,	٦	Ð	r	ע	ע	٦	7
AGA		line	525	524	523	522	521	520	519	518	517	516	515	514	513	512	511	510	509	508	507	506	505	504	503	502	501
VIL		21	7	r		х	ה	×	צ	٦	ת	ו	7	د	,	ה	,	١	r		×	ה	ל	ע	ו		١
MMA		line 22	550	549	548	547	546	545	544	543	542	541	540	539	538	537	536	535	534	533	532	531	530	529	528	527	526
			575	2 574	لا 573	۲ 572	ע 571	570	569	568	567	566	ත 565	ל 564	لا 563	562	561	لا 560	559	558	557	556	555	W 554	لا 553	X 552	V
		line 23	ה	ر ا	×	×	٦	,	١	٦	ה	נ	,	מ	ל	١	ב		ע	٦	7	٦	ש	×	,	٦	פ
		line	600	599	598	597	596	595	594	593	592	591	590	589	588	587	586	585	584	583	582	581	580	579	578	577	576
ORG		24	ש	ם	1	,	٦	ק	ב	,	ה	,	1	ב	٦	ע	,	ה	,	1	ے	١	מ	,	ح	ם	
WWW.VILNAGAON.ORG		line 25	625	624	623	622	621	620	619	618	617	616	615	614	613	612	611	610	609	608	607	606	605	604	603	602	601
NAG/			650	ا 649	648	647	ת 646	645	644	ත 643	642	641	640	639	638	637	خ 636	635	634	ත 633	632	631	630	629	W	627	ر 626
/'VIL		line 26	ל	ה	7	,	ב	١	ם	١	,	ה	7	,	ב	ל	,	7	ב	ה	ל	ם	,	מ	w	ה	ע
WWW		line	675	674	673	672	671	670	669	668	667	666	665	664	663	662	661	660	659	658	657	656	655	654	653	652	651
		27	700	,	<u>دمء</u>	,	ל -	1	694	693	7	Y	1	<u>م</u>	ל 688	1	π	ת	8	ל	١	5	7	(70	770	ر د	,
		line 28		699	698	697	696	695	094		692	691	690	689		687	686	685 L		683	682	681	680	679	678	677	676
		line	725	724	723	722	ה 721	لا 720	719	ק 718	717	716	715	714	713	712	מ 711	ל 710	709	708	707	706	705	704	703	702	701
WWW.VILNAGAON.ORG		29	,	ה	ל	х	ש	ע	,	ו	7	כ	,	ה	,	ו	r	٦	х	ក	ל	ע	٦	,	×	ה	ל
NOV	המועדים 745	line	750	749	748	747	746	745	744	743	742	741	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726
NAG	-70	30	ה	ר	١	х	מ	ה	ת	х	ם	,	ל	7	ړ	ה	ת	۲	х	מ	ה	,	נ	ש	ת	х	ם
W.VII		line	775	774	773	772	771	770	769	768	767	766	765	764	763	762	761	760	759	758	757	756	755	754	753	752	751
WW		31	800	් 799	ק 798	ה 797	796	795	1 794	מ 793	792	ת 791	% 790	789	788	787	786	ה 785	ת 784	ל 783	۳ 782	מ 781	מ 780	ל 779	ל 778	777	776
		line 32	7	ת		1	ם	,	ב	ב	٦	۲	ה	ת	×	,	ה	ל	,	ל	ה	ת	ל	ש	מ	מ	ל
		line	825	824	823	822	821	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801
		33	ל	ע	٦	,	Х	ה	ל	ם	,	מ	ש	ה	ע	,	ק	٦	ב	ם	,	ה	ל	х	ם	ת	×
ON.ORG		line	850	849	848	847	846	845	844	843	842	841	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826
NO		34	,	7	ב	ה	ל	ו	ה	ל	,	ל —	ב	ו	ם	ו	,	ב	ל .	v	מ	ל —	<u>ា</u>	۲	٦	X	ה

AGA		line	875	874	873	872	871	870	869	868	867	866	865	864	863	862	861	860	859	858	857	856	855	854	853	852	851
WW.VILNAG		35	ם	,	ה	ל	Х	×	ר_	,	1	٦	ש	п	ה	7	,	ב	١	٦	1	х	ה	7	,	ב	ל
WW.		line 36	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881	880	879	878	877	876
H			925	924	923	922	921	920	919	ج 918	917	916	7 915	914	913	912	911	لا 910	909	ה 908	907	906	905	904	903	902	901
		line 37	נ	r	٦	ש	ם	,	מ	ה	١,	צ	٦	ש	,	ם	,	ה	ל	×	٦	מ	×	,	١	,	ע
		line	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926
98		38	,	נ	و	ל	ע	r	ר_	х	ה	ל	ע	٦	و ا	<u> </u>	ע		ካ	١	ע	١	ה	,	Π	ש	5
IO'NO		line 39	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951
VGAC			1000	999	ת 998	ה 997	ת 996	995	994	993	ה 992	ל 991	990	989	988	987	986	985	984	983	カ 982	981	7 980	لا 979	978	ج 977	976
WW.VILNAGAON.ORG		line 40	ת	ש	מ	٦	ה	ה	,	п	ה	ש	5	נ	ל	ב	ת	×	,	ם	,	ל	7	ג	ה	ם	ו
WW.		line		=		1022	=		1019					1014	1013	1012		_	1009		1007	1006	1005	1004		1002	1001
H		41	ק	1	ע	ל	ح	ת	х	١	ם	ה	נ	,	מ	ל_	ם	,	מ	ה	<u> </u>	צ	ר	ש	٦	ש	х
		line	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026
		42	1075	1074	1073	1 1072	හ 1071	1070	1069	1068	1067	ה 1066	ל 1065	1064	1063	1062	1061	1060	1059	7 1058	1057	1056	מ 1055	ל 1054	ባ 1053	1052	1051
98		line 43	5	מ		,	ב	٦	,		٦	פֿ	٦	מ	х	5	ם	١,	ה	ל	х	ם	ת	×	_	۱ -	ا ح
IO'NO		line	1100		1098	1097			1094	1093	1092		1090			1087		1085		_			1080		1078	1077	
VGAC		44	r	ר	х	ב	ב	٦	,	ף	ו	ע	ה	ו	ם	,	מ	,	ב	ם	,	מ	ה	ת	х	ו	×
WW.VILNAGAON.ORG		line	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101
WW.		45	1150	1149	1148	1147	1146	1145	מ 1144	1143	1142	1141	1140	1139	ק 1138	1137	1136	ה 1135	1134	1133	1132	ר 1131	لا 1130	1129	ה 1128	1127	1 1126
M		line 46	,	,	מ	ל	ה	,	ח	ש	פֿ	נ	ץ	٦	Х	ה	8	צ	1	ת	ם	,	ה	5	Х		מ
		line	1175	1174			=	1170						1164		1162						1156	1155	1154		1152	
Н		47	ה	5	١	ה	נ	,	מ	ל	r	٦	×	ו	ת	,	п	ו	ש	מ	ר	١	ה	מ	ה	ב	ה
98		line	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176
10.N(48	1225	1224	מ 1223	ל 1222	۲ 1221	ר 1220	ነ 1219	ה 1218	ת 1217	1216	1215	ת 1214	ነ 1213	1212	1211	ה 1210	ל 1209	ነ 1208	1207	لا 1206	1205	٦ 1204	1203	1202	1201
AGAC		line 49	7	×	ה	ש	מ		ל	٥	ת	×		ה	,	,	מ	ל	ה	מ	ה	ב	ה	ת	Х	,	ה
VILN		line	1250		1248	_									1238	1237		1235		1233			1230		1228	1227	
WWW.VILNAGAON.OI		50	х	7	١	ב	١	ט	,	٥	ם	,	ה	ל	х	х	٦	,	١	١	ה	נ	,	מ	ל	ה	מ
H		line	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251
		51	ת 1300	1299	מ 1298	7 1297	1296	1295	1294	מ 1293	ל 1292	<u>لا</u> 1291	1290	ם 1289	7 1288	1287	ה 1286	1285	ソ 1284	1283	1282	1281	ה 1280	ל 1279	እ 1278	ר 1277	מ 1276
		line 52	۱,	ם	,	מ	ש	ה	٦		ע	ב	١,	ם	,	ה	ת	ړ	7	ב		7	٦	,	١		
RG		line		1324	1323		1321		<u>'</u>	1318		_			1313	1312	=	=			1307		1305	1304	1303	1302	1301
ON.O		53	ש	מ	٦	ה	ש	מ	<u>_</u>	ה	ל	ح	ב	1	r	٦	х	ה	ל	ح	ב	ו	ה	מ	ה		ے
WWW.VILNAGAON.ORG		line 54	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326
VILN			ל 1375	1374	1373	1372	1371	1370	ה 1369	ת 1368	1367	1366	1365	1364	ל 1363	1362	ነ 1361	1360	1359	1358	1357	γ 1356	1355	1354	ה 1353	ر 1352	لا 1351
WW		line 55	ה	ב	ק	נ	١,	٦	٥	7	١,	ת	×	Х	٦	ב	ם	,	ה	ر ا	х	ם	ל	צ	ב	,	מ
H	בהבראם	line	1400	=	1398	1397	1396			1393	1392		1390		1388	1387		1385		1383			1380	1379		1377	
	1384 +176	56	ל	٦	מ	х	,	ו	ם	,	ה	ל	×	ם	ת	х	٦	٦	ב	,	1	ם	ת	х	×	٦	ב
		line	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401
RG		57	Y	٦	*	7	ת	1445	1	1442	ל	ත 1441	1	1,000	ב	۲ ا	1425	1	٦	5	ם	,	ה	ל	1420	ם	٦ 1426
0.N.O		line 58	1450					1445					1440			1437			1434		1432	1431					1426
AGA			1475	מ 1474	1473	ה 1472	ነ 1471	1470	لا 1469	1468	1467	1466	1465	1464	ת 1463	٦ 1462	1461	1460	1459	7 1458	1457	1456	1455	۳ 1454	1453	1452	1451
FWW.VIENAGAON.ORG		line 59	х	٦	<u>م</u>	×	,	١	r	٦	Х	ה	ל	ע	ת	ש	מ	٦	ה	ה	5	п	ל	٥	ב	۱ ۱	ם
WW.		line	=	1499			1496	1495					1490			1487	=				1482			1479		1477	
								. '					. '						. '							. '	- 11

60	Ţ	ע	٦	ī	ב	ש	ע	ל	٥	ת	х	ם	٥	ל	,	ת	ת	נ	ה	נ	ה	ם	,	ה	ל
line	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501
61	х	r	ע	ה	ל	כ	ת	×	١	r	٦	Х	ה	ל	د	,	נ	Đ	ל	ע	٦	ש	х	ע	٦
line	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526
62	ح	×	ל	ה	,	ה	,	ם	כ	ל	ע	٦	7	ע	٦	7	r	ע	,	٦	5	ו	ב	ר	w
line	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551
63	ם	,	מ	ש	ה	٦	ו	ע	ל	כ	ל	1	٢	٢	Х	ה	ת	,	Π	ל	د	ל	1	ה	ל
line	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576
64	ה	,	Π	ש	و	נ	١	ב	٦_	ש	Х	r	٦	×	ה	ל	ע	ש	מ	1	٦	ל	د	ל	<u></u>
line	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601
65	*	٦	,	1	7	اد ا	,	ה	,	1	ה	ל	۲ (۲	X	ל :	ב	<u></u>	لا	ק	ר	,	ל	۲ (۲۵۵	ת	8
line		1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626
66	7	1674	1673	1672	1671	1670	1660	1669	1667	1666	1665	1664	لا 1663	1662	1661	1660	ל 1659	1659	ת	1656	1655	1654	1652	ל 1652	1651
line 67	1073	1074	1073	1072	1071	1070	100)	1000	1007	1000	1005	1004	1005	1002	1001	1000	1037	1036	1037	1050	1033	1034	1033	1032	1031
07	ל 1700	ر 1699	1698	1697	1696	1695	W 1694	1693	1692	1691	1690	1689	ק 1688	1687	1686	ה 1685	1684	1683	1682	ר 1681	り 1680	1679	ה 1678	1677	1 1676
line 68		,		,								,													
	1725	7	1723	7	1721	1720	1719	1718	1717	1716	고 1715	7 1714	1713	1712	7 1711	ר 1710	1709	ה 1708	1707	1706	1705	מ 1704	W 1703	1702	ן 1701
line 69		_		.,					_			_								_			_		
1	1750	1749	1748	ע 1747	1746	1745	1744	1743	ת 1742	1741	1740	1739	1738	1737	기 1736	1735	1734	1733	ה 1732	1731	1730	1729	1728	1727	1726
line 70	ש	8	١,	ת	_ د	×	١,	מ	5	ב	מ	١,	ע	,	٦	ש	ה	ם	,	,	٦	ת	٦	ש	,
line	_		1773			_	1769	=	1767			1764		1762	1761	_	1759		1757	1756	1755		1753	1752	1751
71	,	ע	,	ב	ש	ה	ם	١,	,	ת	×	ם	,	ה	ל	×	٦	٦	ב	,	١	ה	ש	ע	٦
line	1800	1799	1798	1797	1796		1794	1793	1792			=	1788		_	=	1784	1783		1781	1780	=	1778	1777	1776
72	×	١	ת	ر د	×	ל	מ	ל	٥	מ	ת	ב	ש	١	ב	,	_ د	١	ת	×	ש	7	ק	,	١
line	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801
73	ה	ת	۱ ا	7	ל	۱ ا	ת	ה	ל	×	ת	۱	ש	ע	ל	ם	,	ה	ל	×	Х	٦	ב	ר	w
line	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826
74	ה	,	ת	1	w	ע	ם	١	,	ב	ם	Х	٦	ב	ה	ב	r	٦	×	ה	١	ם	,	מ	w
line	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851
75	ה	7	ש	ה	п	,	ש	ל	٥	1	ם	,	מ	ש	<u></u>	r	ר_	Х	ם	,	ה	ל	×	ה	1
line	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876
76	,	ם	۲ ا	מ	ה	7	ש	ה	ב	ש	ע	ל	2	1	۲	ר	X	ב	ה	,	<u>ہ</u>	,	ם	٦	מ
line	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901
77	1950	1949	ל 1948	لا 1947	1946	1945	7 1944	ל 1943	1942	ה 1941	1940	1939	1938	1937	1936	1935	1934	7 1933	1932	ל 1931	1930	1929	П 1928	מ 1927	1926
line 78																,									
	لا 1975	1974	7 1973	1972	1971	ה 1970	מ 1969	7 1968	1967	1966	ת 1965	1964	1963	1962	لا 1961	7 1960	1959	1958	1957	1956	7 1955	1954	1953	γ 1952	1951
line 79											_							,,			_			_	_
lina	2000	カ 1999	1998	1997	ה 1996	1995	1994	1993	1992	1991	л 1990	1989	1988	ק 1987	1986	1985	1984	1983	1982	1981	ה 1980	1979	カ 1978	ה 1977	1976
line 80	7	מ		9	ע	ח	7	Х	ה	ת	×	ם	,	ה	5	×	ה		ה	,	٦	ע	,	,	
line	2025		2023	=		2020							2013		2011			2008	_	2006	2005	2004	2003	2002	2001
81	ה	,	1	ם	,	,	п	ת	מ	ש	נ	ı	١,	5	×	ב	П	Ð	,	1	ה	מ	7	×	ה
line	2050	2049	2048	2047	2046	2045	2044	2043	2042	2041	2040	2039	2038	2037	2036	2035	2034	2033	2032	2031	2030	2029	2028	2027	2026
82	ם	,	ה	ל	Х	ה	۱ ا	ה	,	ע	ט	,	١	ה	,	п	ש	Ð	נ	ל	ם	7	Х	ה	,
line	2075	2074	2073	2072	2071	2070	2069	2068	2067	2066	2065	2064	2063	2062	2061	2060	2059	2058	2057	2056	2055	2054	2053	2052	2051
83	٦	w	Х	ם	7	х	ה	ת	х	ם	ש	ם	v	,	1	ם	7	ק	מ	7	7	ע	ב	7	ړ
line	2100	2099	2098	2097	2096	2095	2094	2093	2092	2091	2090	2089	2088	2087	2086	2085	2084	2083	2082	2081	2080	2079	2078	2077	2076
84	د	ה	מ	7	×	ה	7	מ	ם	,	ה	ל	Х	ה	_ <u>,</u>	ה	,	Π	מ	z	7	١	ר _	צ	,
line	2125	2124	2123	2122	2121	2120	2119	2118	2117	2116	2115	2114	2113	2112	2111	2110	2109	2108	2107	2106	2105	2104	2103	2102	2101
85	ה	r	ע	١	ל	٥	х	מ	ל	ב	า	ט	١	ה	×	٦	מ	ל	7	מ	п	נ	r	ע	ל
										-															

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	line	2150	2149	2148	2147	2146	2145	2144	2143	2142	2141	2140	2139	2138	2137	2136	2135	2134	2133	2132	2131	2130	2129	2128	2127	2126
	86	า	ע	٦	1	ב	1	מ	ת	ע	7	ה	r	ע	١	7	ړ	ה	٦	١	ת	ב	ם	,	,	Π
	line	2175	2174	2173	2172	2171	2170	2169	2168	2167	2166	2165	2164	2163	2162	2161	2160	2159	2158	2157	2156	2155	2154	2153	2152	2151
	87	ם	ש	מ	1	7	٦	ה	ת	8	ת	1	ק	2100	ה	ל	7	7	ע	מ	×	2100	,	۲ ا	ה	1
	line	2200	2199	2198	2197	2196	2195	2194	2193	2192	2191	2190	2189	2188	2187	2186	2185	2184	2183	2182	2181	2180	2179	2178	2177	2176
	88	7	7724	2223	ה 2222	2221	2220	2210	2218	2217	<u>የ</u> 2216	2215	2214	2213	2212	2211	2210	خ 2209	7208	2207	7206	2205	2204	2203	2202	2201
	line 89	2223	,	2223	2222	2221	2220		2210			2213				2211	2210	220)		2207	2200	2203	2204		2202	2201
 		2250	2249	2248	2247	2246	2245	γ 2244	2243	2242	ל 2241	2240	ת 2239	2238	2237	2236	2235	2234	2233	2232	ה 2231	2230	2229	2228	2227	2226
	line 90	ש			ט	8	,	ה	_	77		×	_	٦	ה	,	,	ב	_	7	_	ם	ש	_	עז	8
]]	line		2274	2273	2272				2268	2267	2266	2265	ה 2264	2263		2261	2260		2258	2257	2256		2254	2253	2252	
	91	,	נ	ש	ה	٦	ה	נ	ה	ם	ש	٦	ם	ה	ש	ה	7	ב	×	١	п	ל	7	ב	ה	ם
Ï	line	2300	2299	2298	2297	2296	2295	2294	2293	2292	2291	2290	2289	2288	2287	2286	2285	2284	2283	2282	2281	2280	2279	2278	2277	2276
	92	w	١	ש	١	5	r	٦	Х	ל	כ	ת	х	ב	ב	ı	ס	ה	х	1	ה	7	ו	п	,	اد
	line	2325	2324	2323	2322	2321	2320	2319	2318	2317	2316	2315	2314	2313	2312	2311	2310	2309	2308	2307	2306	2305	2304	2303	2302	2301
	93	מ	7	ק		ל _	ה	<u></u>	Х	١	ה	ל	7	7	Π	,	w	,	ל	ש	ה	٢	ה	נ	ה	ם
	line	2350	2349	2348	2347	2346	2345	2344	2343	2342	2341	2340	2339	2338	2337	2336	2335	2334	2333	2332	2331	2330	2329	2328	2327	2326
	94	م	2274	2272	ת	2271	5	8	2269	7	,	ע	,	2262	2262	7255	2260	7250	2250	7257	2256	2255	2254	ש	8	ת
	line 95	2375	2374	2373	2372	23/1	2370	2369	2368	2367	2366	2365	2364	2363	2362	2361	2360	2359	2358	2357	2356	2355	2354	2353	2352	2351
		2400	2399	2398	2397	ה 2396	2395	2394	2393	2392	2391	2390	2389	2388	ת 2387	2386	2385	2384	ה 2383	7 2382	2381	ה 2380	2379	ה 2378	2377	2376
	line 96																							,	_	
[2425	2424	2423	ה 2422	2421	2420	2419	2418	보 2417	2416	2415	2414	2413	2412	2411	7 2410	2409	2408	2407	2406	고 2405	2404	2403	2402	2401
	line 97	8	ת	ا ا	5	×	7	ړ	ה	r	ע	ל	٥	מ	٦	מ	×	ر ا	ם	7	×	ה	ל	ע	ם	,
[line	2450	2449	2448	2447	2446	2445	2444		2442		2440	2439		2437	2436	2435	2434			2431	2430	2429	2428	2427	2426
	98	נ	מ	מ	ל	כ	×	ת	х	ל	ע	٦	١	ב	١	מ	ת	ע	7	ה	r	ע	מ	ו	ל	٥
ĺ	line	2475	2474	2473	2472	2471	2470	2469	2468	2467	2466	2465	2464	2463	2462	2461	2460	2459	2458	2457	2456	2455	2454	2453	2452	2451
	99	х	,	١	ת	<u> </u>	מ	ת	ת	١	מ	1	נ	מ	מ	٦	ל	ح	х	ם	1	,	ב	,	ح	_1
7	line	2500	2499	2498	2497	2496	2495	2494	2493	2492	2491	2490	2489	2488	2487	2486	2485	2484	2483	2482	2481	2480	2479	2478	2477	2476
	100	ל	ם	7	×	ה	ת	١	,	ה	ב	١	ט	Ж	ל	ם	,	ה	ל	×	ה	ו	ה	,	٦	מ
	line	2525	2524	2523	2522	2521	2520	2519	2518	2517	2516	2515	2514	2513	2512	2511	2510	2509	2508	2507	2506	2505	2504	2503	2502	2501
	101	7550	2540	75.49	7547	2546	25.45	,	1	7	7	ک 2540	2520	2520	7	7	<u>ت</u>	7524	ל 2522	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2521	<u>ت</u>	8	7	7	2526
	line 102	2550	2549	2548	2547	2546	2545	2544	2543	2542	2541	2540		2538	2557	2536	2555	2534	2555	2532	2551	2530	2529	2528	2521	2526
[102	2575	ת 2574	2573	2572	ה 2571	2570	2569	7 2568	ת 2567	2566	2565	ל 2564	2563	7 2562	2561	7 2560	2559	2558	2557	2556	2555	2554	ה 2553	ל 2552	2551
	line 103																					_				_
[Line	2600	ת 2599	2598	2597	2596	ל 2595	2594	2593	X 2592	2591	2590	2589	2588	2587	2586	2585	2584	2583	2582	2581	2580	2579	2578	لا 2577	2576
	line 104	5	1	ا ا	7	×	ה	٦	ל	Х	۱ ٦	ק	,	٦	ש	×	ر ا	5	١,	,	ל	×	٦	ק	,	ה
ĺ	line	2625	2624	2623	2622	2621	2620	2619	2618	2617	2616		2614	2613	2612	2611	2610	2609	2608	2607	2606	2605	2604	_	2602	2601
	105	כ	ל	ת	1	מ	w	ם	7	х	ה	Х	٦	ק	,	١	ו	מ	ש	×	1	ה	ה	,	п	ש
	line	2650	2649	2648	2647	2646	2645	2644	2643	2642	2641	2640	2639	2638	2637	2636	2635	2634	2633	2632	2631	2630	2629	2628	2627	2626
	106	ש	ה	ת	7	Π	ל	د	ל	<u> </u>	ם	,	מ	w	ה	٦	1	ע	ל	<u></u> 1	ה	מ	ה	ב	ה	ל _
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	line 109	ב 2750 ק	ת 2749 ל	п	ת 2747 ש	2746 X	ש 2745 צ	ב 2744 ל	2743 坚	2717 \(\) \(\) \(\) \(\) 2742	2716 D 2741	2740 X	2739	2738	י, 2737 ה	ת 2736 ל	고 2735 왕	ל 2734 ה	2733	מ 2732 ה	ת 2731	2730	ጽ 2729 	2703 П	ק 2727	2726 7

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113	п	ק	ל	ש	,	Х	מ	,	כ	ה	ש	х	х	٦	ק	,	ת	х	7	ל	,	٦	w	ב	מ
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117	ה	ת	,	Π	ל	כ	מ	ם	١	٦	ע	ה	,	ה	w	П	נ	ה	1	١	ש	ש	ב	ת	,
line	2950	2949	2948	2947	2946	2945	2944	2943	2942	2941	2940	2939	2938	2937	2936	2935	2934	2933	2932	2931	2930	2929	2928	2927	2926
118	ל	х	٦	מ	Х	,	1	ם	,	ה	ל	х	ה	١	ה	,	ה	ש	ע	٦	ש	8	ה	7	ש
line	2975	2974	2973	2972	2971	2970	2969	2968	2967	2966	2965	2964	2963	2962	2961	2960	2959	2958	2957	2956	2955	2954	2953	2952	2951
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In Figure 14 three such words are shown: בהבראם (as they were created), המועדים (the Havila [river]) and המועדים (the appointed times). The six-letter word was searched for by the computer over the whole book of Genesis (i.e. 78,064 letters) at equal intervals ranging from -300 to 300. It was found four times. At the interval 176, it clusters around the explicit word. Similarly, the word החיילה in the same range appears six times and clusters around the explicit word at the interval of 167. The seven-letter word המועדים was searched for in the book of Genesis at intervals from -10,000 to 10,000! It appeared only once, at the interval of 70, clustering exactly where the word is spelled explicitly. (By the way, there are 70 specially appointed times for holy days called a year, as defined in Leviticus 23: fifty-two Sabbaths, seven days of Pesach, one day of Shavuot, one day of Rosh Hashana, one day of Yom Kippur, seven days of Sukkot and one day of Shmini Atzeret.)

But what about other words? Obviously, we cannot show here all of the results. However, about 40% of the words in the above three pages produced a strong clustering effect. Another 40% showed a moderate clustering. And the rest-no clustering. Part of the clustering is effected by the non-even distribution of letters. For example, when the word מָד,א (Adam) is mentioned in Genesis 2:5,7 the word אדמה (earth) appears nearby, adding the letters א אדם to the text, thus increasing the likelihood of finding a hidden אדם. When we took a 3000-letter piece of text from Chaim Nachman Bialik's Hebrew novel Arie Ba 'al Guf, there was also a cluster effect although much weaker than in Genesis. Hence, in order to measure the "net" clustering, Rips suggested comparing the equal intervals with the nonequal ones in the same text, as was done with "Aaron" (see Figure 7.)

The next question is how to measure the clustering quantitatively. The simplest way is to specify in advance a neighborhood of the explicit word and then check how many hidden words appear in this neighborhood. It is clear, however, that for longer words the neighborhoods should be greater than for the shorter ones, and hence it is preferable not to compare words of different lengths. Finally, a controlled experiment was run for all three-letter nouns in Genesis 1 and 2, all together 50 words. The neighborhoods to be considered were 300 letters long (about eight lines) and centered on the explicit words. The total number of hidden words in these neighborhoods was 370 versus the expected 300, which was four standard deviations away from the expectation. The results for non-equal intervals were about the average.

Next the same experiment was performed on the Samaritan version. Here the results for the equal and non-equal intervals were about the same as the expectation.

Four standard deviations correspond to the probability of about 1/10,000. This is indeed a very small number. However, some statisticians may say that the text under investigation is too short. Besides, for three-letter words the non-equal interval test is very limited. That is, for the word עדן we consider the sequences

with fixed x and all possible n. The number x should be small so that the non-equal intervals would be a small perturbation of the equal ones. For example, if x varies between -5 and 5 we have only ten different results to compare. If the word is longer, e.g. a five-letter word אבגדה the perturbed sequences are

$$7 \stackrel{\text{n+z}}{\leftarrow} 7 \stackrel{\text{n+y}}{\leftarrow} 1 \stackrel{\text{n+x}}{\leftarrow} 1 \stackrel{\text{n}}{\leftarrow} 1 \stackrel{\text{n}}{\rightarrow} 1 \stackrel{\text{n}}{\leftarrow} 1 \stackrel{\text{n}}{\leftarrow} 1 \stackrel{\text{n}}{\leftarrow} 1 \stackrel{\text{n}}{\leftarrow} 1 \stackrel{\text{n}}{$$

so that with x,y,z in the same range of -5 to 5 there is a sample of 1330 different results.

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Hence Rips suggested checking the clustering for five-letter words over the whole book of Genesis. This requires a prohibitive amount of computations, so Rips restricted himself to all four-letter nouns preceded by the definite article π encountered in Genesis. The final list consisted of 86 words. Next Rips defined a probability function, which measured the clustering for each word. The definition is too technical to be presented here. Roughly speaking, the function attains the values between 0 and 1, is uniform for a random text and becomes small when a hidden word with a short interval appears close to the explicit one. Then for each word a "race" was performed in which the equal intervals competed with the non-equal perturbations. In the first "race" the numbers x,y,z were between -2 and 2, thus providing 5x5x5=125 "runners". The probability function was measured and the "runners" with the smallest value would win.

The results of the 86 "races" are as follows. In three instances the equal intervals defeated the non-equal ones. The words were המקנה (the livestock), המתמת (the seal) and הבהמה (the domestic animals). For 11 more words the equal intervals were among the top 10% of the "runners. These results are not impressive at all since the probability that 14 out of 86 instances would be in the upper 10% is about 1/20. Next, the three winners were "allowed" to compete with about 5000 "runners". Namely, the range of x,y, and z in the non-equal intervals was increased from [-2,2] to [-8,8] which produced 17x17x17=4913 "competitors". (It was too expensive to make such a "race" for all the words since it takes several hours of computer time to run a single word.) The words and an analysis were champions also in the big race. Now the combined phenomena of the 14 top 10% words and the two top .02% ones have a probability of 1 over 30,000.

The same experiment was performed also on the Samaritan text. Here only two words הקדשה (the harlot) and המגדל (the tower) -were in the top 10% and no word entered the upper 1%, Thus the Samaritan text behaves like a "normal" one.

Our skeptic might be unimpressed by the probability of 1/30,000. Indeed, with the "Aarons" we already had 1/400,000. However, this time, the test was both word and segment independent, Namely, instead of a specific (though important) word like Aaron, we took a big "natural" sample and instead of the first chapter-the whole book of Genesis. One also should bear in mind that clustering is only one aspect of the infinite information hidden in the Torah through equal intervals. There is no clustering for "Torah" in Figure 1 or for "Israel" in Figure 2. King David is not mentioned explicitly in Figure 3 so we lose another story and likewise for the "Temple" in Figure 4 and "Bilhah" in Figure 5. It is quite amazing that after all nontrivial patterns have been neglected there is still something to observe.

In the next section we will demonstrate another general idea, which is common to many words and patterns.

The Minimum Intervals

When the computer searches for a certain word at equal intervals of numbers, it will find the word many times. Some of the intervals may be of special interest like the numbers 50 and 26; but what shall we do with the other ones? In the course of numerous experiments Rips observed that the short intervals tend to be more significant than the long ones; they appear more often in relevant places. We will present here one example of this phenomenon.

5

Figure 15

The Code For the Fauna and the Flora of the Torah

The Letters of Genesis Chapter 2:7 to Genesis 3:3

See the side of the chart to find the various locations of the words in code.

[Reminder! The Hebrew letter n when it appears at the end of a word looks like this n The Hebrew letter n when it appears at the end of a word looks like this n]

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		line	740	739	738	737	736	735	734	733	732	731	730	729	728	727	726	725	724	723	722	721
ORG		37	,	ו	<u> </u>	,	ת	ע	ל	צ	מ	ת	Π	х	п	ק	,	ו	7	w	,	,
AON.	סנה thorn bush 741	line 38	760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	745	744	743	742	741
WWW.VIENAGAON.ORG	+9	36	780		778	777	776	775	774	773	772	771	770	ת 769	768	ת 767	766	765	764	763	ر 762	761
V.VIII		line 39	×	ה		מ	п	 ج	ל	٦	ש	Х	ע	ל	צ	ה	ת	×	ם	,	ה	ל
WW		line	800	799		797	796	795	794	793	792		790		788	787	786	785	784	783	782	781
		40	×	,	٦	ם	7	Ж	ה	ל	Х	ה	×	ב	,	ו	ה	ש	×	ל	ם	7
		line	820	819	818	817	816	815	814	813	812	811	810	809	808	807	806	805	804	803	802	801
		41	מ	צ		מ	ם	צ	ע	ם	ע	5	ה	ת	×	ī	ם	7	×	ה	٦	מ
)RG		line 42	840	839	838	837	836	835	834	833	832	831	830	829	828	827	826	825	824	823	822	821
NON.			860	859		857	ק 856	855	ת 854	8 53	852	ל 851	850	ר 849	848	847	846	845	₩ 844	843	842	841
WW.VIENAGAON.ORG		line 43	ע	,	7	ב	ל	ע	ת	×	7	ה	п	ק	ל	ש	,	Х	מ	,	٥	ה
NIL.	זית olive	line	880	879	878	877	876	875	874	873	872		870	869	868	867	866	865	864	863	862	
WWW	861 +3	44	ב	7	۱	۱	מ	х	ת	х	ו	١	,	ב	×	ת	х	ש	,	х	ב	T
	הדר citron 900	line	900	899	898	897	896	895	894	893	892	891	890	889	888	887	886	885	884	883	882	881
	-3	45	ה	,	٦	7	Π	Х	٦	ש	ב	ל	ו	,	ה	ו	١	ת	ש	×	ב	ק
		line	920	919	918	917	916	915	914	913	912	911	910	909	908	907	906	905	904	903	902	901
ORG		46	940	939	938	937	936	935	ה 934	933	932	מ 931	930	٦ 929	لا 928	927	ה 926	925	924	923	922	921
ON.C		line 47										,					, ,		רבי ל	,23	, ,	
NAGAON.ORG		line	لا 960	959		957	956	955	954	953	952	951	950	949	948	ת 947	946	945	944	943	942	941
7		48	,	ה	w	ע	٦	ש	х	ה	7	w	ה	ת	,	п	ל	٥	מ	ם	١	٦
WWW.VII		line	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961
4		49	×	ה		х	ה	ל	×	٦	מ	×	,	١	۵	,	ה	ל	×	ה	١	ה
		line 50	1000	999	998	997	996	995	994	993	992	991	990		988	987	986	985	984	983	982	981
			1020	מ 1019	1018	ל 1017	1016	1015	ת 1014	1013	ל 1012	1011	1010	ה 1009	ל 1008	1007	ר 1006	2 1005	1004	1003	1002	<u>ባ</u>
RG		line 51	п	1	ה	ל	х	ה	ש	×	ה	۱ ا	מ	х	ת	١,	7	٦	ה	r	ע	ל
WWW.VILNAGAON.ORG	גפר fir	line			1038							1031				1027	1026			H	_	1021
AGA	1029 +8	52	ה	,	٦	Ð	מ	ן ו	ל	٥	х	נ	1	ړ	ה	r	ע	,	٦	5	מ	ש
VILN	,	line	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041
WW.		53	ם	<u>_</u> ,	ה	ל	Х	٦	מ	×	7	د	=	٦	1	ת	ב	٦	ש	х	r	ע
*		line	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061

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line 54

א כ ל ו 1 1087 1086 1085 1084 1083 1082

ת מ ת

1081

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The text in Figure 15 consists of Genesis chapter 2 and the first three verses of chapter 3.

Verse 9 reads: "And from the earth G-d caused to grow every tree that was pleasing to the sight and good for food, and the tree of life in the middle of the garden and the tree of knowledge of good and evil."

As the names of the trees are not mentioned explicitly in this chapter, Rips suggested that perhaps they are hidden there at equal intervals. He took all the 25 trees named in the Torah (as listed in The Fauna and Flora of the Torah by Yehuda Feliks) and found them in the above chapter! Before the reader jumps out of his seat, let us explain that three- or four-letter words would normally appear at some intervals in a segment as long as ours (about 1000 letters). What is so exceptional here is that most of the intervals (except for לבנה han 20 based on the density of the letters in the chapter, one could estimate the probability of this "orchard" phenomenon. It comes to about 1 in 100,000!

Conclusion

We started with the "Torah of Rabbi Weismandel, went through the examples of "Israel", "King David", "Temple-Torah", "Rachel with Bilhah", to "Aaron", then to the clustering effect in general and to the "orchard" and the minimum intervals phenomenon. There are many more fascinating examples and stories, which could not be included in this limited review. A book with much of this material is expected to be published in Israel soon. We hope that our skeptic concedes that the equal interval phenomenon is not deliberate computer trickery but a reflection of a hidden design. We are far from understanding the rules of this design, in particular from understanding what stands behind the numerical values of all the different intervals.

In recent years some other coded systems were discovered (or rediscovered) in the Torah. Among others is the "multiples of seven" pattern of key words in each chapter appearing 7, 14, 21... times. Another rule discovered by the late Rabbi Suleiman Sasson states that every word which is repeated in Torah more than 80 times, appears for the eightieth time in a segment of text discussing a promise, covenant, marriage or purchase (i.e. different types of contracts). The equal intervals system is distinct from systems such as these in that it functions on the letter rather than on the word level and it contains apparently limitless information.

But who made this design? Midrash Tanchuma says Moses saw the Torah as a string of letters of black fire on white fire. This string of letters was not divided into words. As G-d dictated the Torah to him, Moses wrote it accordingly in the form of words and chapters. As Maimonides states in the introduction to his Mishneh Torah, Moses wrote out a copy of the Torah before his death for each tribe plus one to be kept in the Ark. Jews believe that the modern Torah text is the exact copy of the original (except perhaps a few letters, as suggested by comparing the Yemenite and Ashkenazi texts).

How does this affect biblical criticism? According to the theory of biblical criticism, the Torah is a patchwork of pieces written at different times by different authors. The pieces allegedly were put together during or after the Babylonian exile and then canonized. For example, Bible critics contend that Genesis 1 and Genesis 2 were written by different authors because Genesis 1 uses the name אלקים for G-d while Genesis 2 uses the Tetragrammaton. Hidden words like שהבראם which connect the first two chapters of Genesis then would have to be assumed by the critics as inserts made by the final "editor". When we counted the trees in Figure 15 and the most outstanding clusters like "Eden", 'the river" (Figures 10 and 11) and a few other systems with probabilities less than 1 out of 1000, we found that the number of letters employed by the hidden words is about 30% of the total. Should we then be forced to believe that this "editor" created all these codes with some small modification-and without any apparent reason?

"It is possible," says our skeptic, "that the ancients possessed some secret knowledge which we cannot comprehend. Take, for example, the great pyramids or the Inca temples." Whatever they knew, nobody would suggest that they could foresee the future (unless they had a time machine).

Having commenced this article with an example of Rabbi Weismandel, let us conclude it with another example of his. The example concretizes the parallel between Moshe Rabbenu (Moses our Teacher) and Rabbenu Moshe ben Maimon (known also as Maimonides and as Rambam, his Hebrew acronym). The Rambam was born in Spain 852 years ago and later settled in Egypt, where he became a court doctor of Tzalach Ed-Din, There he wrote his most important work, the 14-volumed Mishneh Torah which classifies and clarifies all of the 613 Commandments.

מהקדמת הרמב"ם למשנה תורה

5

א] אלו הם שש מאות ושלוש עשרה מצוות שנאמרו לו למשה בסיניי, הן וכללותיהן ופרטותיהן ודקדוקיהן; וכל אותן הכללות והפרטות והדקדוקין והביאורין של כל מצוה ומצוה, היא תורה שבעל פה שקיבלו בית דין מפי בית דין

ב] ויש מצוות אחרות שנתחדשו אחר מתן תורה, וקבעו אותן נביאים וחכמים ופשטו בכל ישראל--כגון מקרא מגילה, ונר חנוכה, ותענית תשעה באב, וידיים, ועירובין. ויש לכל מצוה ומצוה מאלו פירושין ודקדוקין; והכול יתבאר בחיבור זה

ג] כל אלו המצוות שנתחדשו--חייבין אנו לקבלם ולשומרם, שנאמר "לא תסור, מכל הדבר" (ראה דברים יז,יא); ואינם תוספת על מצוות התורה. ועל מה הזהירה תורה "לא תוסף עליו, ולא תגרע ממנו" (דברים יג,א)--שלא יהיה נביא רשאי לחדש דבר ולומר שהקדוש ברוך הוא ציווהו במצוה זו להוסיפה למצוות התורה, או לחסר אחת מאלו השש מאות ושלוש עשרה מצוות

ד] אבל אם הוסיפו בית דין עם נביא שיהיה באותו הזמן מצוה דרך תקנה, או דרך הוראה, או דרך גזירה--אין זו תוספת: שהרי לא אמרו שהקדוש ברוך הוא ציווה לעשות עירוב או לקרות מגילה בעונתה. ואלו אמרו כן, היו מוסיפין על התורה

ספר המצות להרמב"ם - השרש השלישי

השרש השלישי - שאין ראוי למנות מצות שאין נוהגות לדורות: דע כי אמרם תרי"ג מצות נאמרו לו למשה בסיני מורה על היות זה המספר הוא מספר המצות הנוהגות לדורות כי מצות שאין נוהגות לדורות אין קשר להן בסיני הן שנאמרו בסיני או בזולתו ואמנם כוונו באמרם בסיני לפי שעיקר התורה שנתנה היה בסיני והוא אמרו ית' עלה אלי ההרה והיה שם ואתנה לך ובבאור אמרו מאי קראה תורה צוה לנו משה מורשה רוצה לומר מספר תורה והוא תרי"א ואנכי ולא יהיה מפי הגבורה שמעום ובהם נשלמו תרי"ג מצות ירצו בזה הסימן שהדבר שצוה לנו משה ולא שמענוהו כי אם ממנו הוא מספר תורה וקראה מורשה קהלת יעקב ומצוה שאינה נוהגת לדורות אינה לנו מורשה שאמנם יקרא ירושה מה שיתמיד לדורות כמו שאמר כימי השמים על הארץ ומאמרם גם כן כי כל אבר ואבר כאילו הוא יצוה האדם בעשיית מצוה וכל יום ויום כאילו יזהיר אותו מעבירה ראיה על היות זה המספר לא יחסר לעולם ואילו היה מכלל המנין מצות שאין נוהגות לדורות הנה יחסר זה הכלל בזמן שיכלה בו חיוב המצוה ההיא ולא היה המאמר הזה שלם כי אם בזמן מוגבל

Translation of Part of the Hebrew Text Cited Above

These are the six hundred and thirteen precepts, which were orally imparted to Moses on Sinai, together with their general principles, detailed applications, and minute particulars. All these principles, details, particulars, and the exposition of every precept constitute the Oral Law, which each court received from its predecessor. There are other precepts, which originated after the Sinaitic Revelation, that were instituted by prophets and sages and were universally accepted by all Israel. Such are the reading of the Scroll for Esther (on Purim), the kindling of the Chanuka lights, fasting on the Ninth of Av, washing of the hands before meals and *Erubin* (ritual for relaxing the prohibition of carrying on Sabbath or walking outside a city beyond the described limits on Sabbath and festivals). Each of these precepts has its special interpretations and details, all of which will be expounded in this work.

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Figure 16 shows the beginning of the Mishneh Torah where Maimonides explains the origin of the Commandments and how they are classified in his 14 books.

In addition to having the same name, both Moshe Rabbenu and Moshe ben Maimon lived in Egypt and performed marvels before its rulers. (Maimonides's marvels were performed in his capacity as court doctor.) Furthermore, Maimonides's Mishneh Torah parallels Moshe Rabbenu's own Mishneh Torah, i.e. the book of Deuteronomy, which summarizes the entire Torah. (See the first example given in this article on the word "Torah" appearing at a 49-letter interval in Deuteronomy for an explanation of how this book differs from the others in the Five Books of Moses.)

The following finding is attributed to Nachmanides (the Ramban) who lived a few decades after Maimonides. The phrase רבות מופתי בארץ מצרים

(Rabot Moftai B'eretz Mitzrayim-"My marvels may be multiplied in the land of Egypt") in Exodus 11:9 implies Maimonides. Indeed the first letters of the above four words form the word

רמבם (RaMBaM). [Reminder! the letter מ when it appears at the end of a word looks like this ם]

Figure 17

The Letters of Exodus Chapter 11:9 to Exodus 12:13

רמבם Rambam
(highlighted in orange) is spelled out by the first letters of
spelled out by the first letters of Rabot Moftai B'eretz Mitzrayim (Note: The Hebrew letter ש when at the end of a word appears in the following form ב

5

משנה Mishneh +50 תורה Torah +50

משנה Mishneh 12	line	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
+50	1	ם	כ	,	ל	Х	ע	מ	w	,	х	ל	ה	w	מ	ל	Х	ה	1	ה	,	٦	מ	Х	,	١
רמבם Rambam	line	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26
ula Kambam	2	,	٦	צ	מ	r	٦	×	ב	,	ת	5	١	מ	ת	٦	ב	٦	7	ע	מ	ל	ה	ע	٦	=
	line	75	74	73	72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	5
	3	×	ה	ם	,	ת	פֿ	מ	ה	ל	כ	ת	×	1	w	ע	7	٦	ה	х	ו	ה	w	מ	١	7
	line	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	7
	4	٦	9	ב	ל	ת	×	ה	1	ה	,	ק	7	П	,	١	ה	ע	٦	5	,	נ	و	ל	ה	ı
	line	125	124	123	122	121	120	119	118	117	116	115	114	113	112	111	110	109	108	107	106	105	104	103	102	10
	5	,	١	ו	צ	٦	×	מ	ל	×	٦	w	,	,	ב	ב	ת	×	п	ל	w	×	ל	٦	ה	2
	line	150	149	148	147	146	145	144	143	142	141	140	139	138	137	136	135	134	133	132	131	130	129	128	127	12
	6	צ	מ	r	٦	×	ב	7	٦	ה	х	ל	×	١	ה	ש	מ	ל	×	ה	ו	ה	,	٦	מ	2
	line	175	174	173	172	171	170	169	168	167	166	165	164	163	162	161	160	159	158	157	156	155	154	153	152	15
	7	ם	,	w	7	Π	w	×	٦	ם	כ	ל	ה	7	ה	ש	7	п	ה	٦	מ	×	ל	ם	,	-
	line	200	199	198	197	196	195	194	193	192	191	190	189	188	187	186	185	184	183	182	181	180	179	178	177	17
	8	×	۱	٦	ב	7	ה	ב	W	ה	,	ש	7	П	ל	ם	כ	ל	Ж	۱ ا	ה	7	ו	w	×	-
	line	225	224	223	222	221	220	219	218	217	216	215	214	213	212	211	210	209	208	207	206	205	204	203	202	20
	9	7	ה	w	7	Π	ל	٦	ש	ע	ב	٦	מ	×	ל	ל	х	٦	ש	,	ת	7	¥	ל	5	;

	line	250	249	248	247	246	245	244	243	242	241	240	239	238	237	236	235	234	233	232	231	230	229	228	227	226
	10	ב	ל	ה	ש	ת	ב	×	ת	,	ב	ל	ה	ש	w	,	×	ם	ה	ל	۱	Π	7	,	1	ה
	line	275	274	273	272	271	270	269	268	267	266	265	264	263	262	261	260	259	258	257	256	255	254	253	252	251
	11	п	ק	ל	١	ה	ש	מ	ת	١	,	ה	מ	ת	,	ב	ה	ט	ע	מ	,	ם	×	٦	ת	,
	line		299	298	297	296	295	294	293	292	291	290	289	288	287	286	285	284	283	282	281	280	279	278	277	276
	12	5	ב	ת	٥	כ	מ	ב	١	ת	,	ב	ל	Ж	ב	٦	ק	ה	١	נ	כ	w	ו	×	٦	ה
	line	325	324	323	322	321	320	319	318	317	316	315	314	313	312	311	310	309	308	307	306	305	304	303	302	301
	13	מ	ת	ה	ש	ה	w	ה	ל_	ע	١	ס	ح	ת	_า	ל	כ	Ж	,	פֿ	ל	ש	١,	Ж	ת	w
	line		349	348	347	346	345	344	343	342	341	340	339	338	337	336	335	334	333	332	331	330	329	328	327	326
	14	<u>_</u>	,	w	ב	_ _	ה	7	מ	ם	د	ל	ה	,	ה	,	ה	נ	ש	7	ב	٢	د	7	ם	,
	line		374	373	372	371	370	369	368	367	366	365	364	363	362	361	360	359	358	357	356	355	354	353	352	351
	15	11		מ	ש	מ	ל	ם	ح	ל	ה	,	ה	ו	١	Π	ק	ת	ם	_,	ī	ע	ה	7	מ	1
	line		399	398	397	396	395	394	393	392	391	390	389	388	387	386	385	384	383	382	381	380	379	378	377	376
	16		ט	п	ש	1	ה	7	ה	w	7	Π	ל	ם	<u> </u>	,	٦	w	ע	ה	ע	ב	٦	Ж	7	ע
	line		424	423	422	421	420	419	418	417	416	415	414	413	412	411	410	409	408	407	406	405	404	403	402	401
	17	ם	,	ב	۲	ע	ה	7	,	ב	ל	*	٦	ש	,	ת	7	ע	ל	ה	ק	ל	د	١	ת	Ж
	line		449	448	447	446	445	444	443	442	441	440	439	438	437	436	435	434	433	432	431	430	429	428	427	426
	18	,	1	170	מ 472	77	470	ת	W 169	ל	<u>لا</u>	1	164	ال	162	161	160	450	7	1 7	מ 456	1	151	آ	ر	1
	line		4/4	473	472	4/1	470	469	468	467	466	465	464	463	462	461	460	459	458	457	456	455	454	453	452	451
	19	'	ל 400	ح 498	407	106	٦ 495	W 404	103	402	401	ת	480	700	ל	<u>ت</u> ا ۱۹۶۵	ا م	194	7	W	מ 491	7	ל 470	لا 478	477	ת
	line 20		477	490	471	490	493	474	473	492	471	490	407	400	407	400	403	404	403	462	401	460	417	470	4//	470
	20	11	524	523	522	ر 521	520	ל	518	517	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	<u>ا</u>	7 514	ال ا	512	511	ל 510	500	508	507	506	505	504	503	ת	501
	line 21		324	323	322	,	320	31)	310	317	310	313	514	313			310	307	300	307	500	303	304	303	,	501
	21	- /	549	548	547	ל 546	545	544	543	542	541	540	539	538	ל 537	り 536	535	534	533	532	531	530	529	528	ל 527	Y
	line 22											L.		_			_									
			574	573	572	571	570	ל 569	568	567	566	7 565	W 564	563	562	561	560	559	558	מ 557	2 556	555	ל 554	553	552	ת
	line 23					L.								_									_		_	
		600	599	598	597	596	لا 595	594	593	592	년 591	590	589	588	발 587	586	585	584	583	582	581	580	579	호 578	577	576
	line 24	מ	מ		ת	נ	ה	۱,	٦	_	ב	7	ע	,	נ	מ	מ	,			ת		ת	Х	ל	
	lima	625	624	623	622	621		619	618	ج 617		615		613		611	610		608	607	606	605	604	603	_	601
	line 25	×	١	ح ا	٥	×	ת	ה	ر د ا	5	١,	١	Ð	٦	ש	ת	ש	×	ב	٦	ק	ב	7	ע	,	1
תורה Torah	lima	\vdash	649	648	647	646	645	644		642	641	640		638	637	636	635	H		632	631			628	627	626
626	line 26	د ا	١,	١,	۱	۱,	ב	ם	כ	,	5	ע	נ	ם	١,	٦	ג	п	ם	٥	,	נ	ת	מ	١	ת
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The Translation of Exodus Chapter 9 verses 11 and 12

- 9. Now the L-rd had said to Moses, 'Pharoah will not heed you, in order that My marvels may be multiplied in the land of Egypt.'
- 10. Moses and Aaron had performed all these marvels before Pharoah, but the L-rd hardened the heart of Pharoah so that he would not let the Israelites go from his land

This article is one of a series of articles about G-d and Torah at http://www.vilnagaon.org/

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"How beautiful," says our skeptic. "but you probably will find a 'Rambam' on every page." So we checked it out and found that this is the only "Rambam" acronym in the entire Torah.

But that's not the end of the story. Forty years ago when Rabbi Weismandel came across this passage, he asked himself whether some additional information about the Rambam was hidden in this passage at equal intervals. So he took the title of Rambam's *MishnehTorah*, spelled in Hebrew משנה and searched for it. Since he had already discovered the "Torah" system at 50-letter intervals (corresponding to 50 gates of wisdom), he tried 50 again. And indeed, starting with the verse just quoted, he found the word מורה appeared much further on in the text at a 50-letter interval. The large gap the appearance of מורה appearently puzzled him, so he counted the letters between them. They came to 613. (This is the very number of Commandments in the Torah which were summarized by the Rambam in his Mishneh Torah! Read the introduction to his book in Figure 16.)

If you still wish to know the probabilities-the likelihood or such a משנה חורה starting with a given α is 1 in 186,000,000. You could of course try some other α , say 10 possibilities for α in a neighborhood close to the "Rambam", And you could play with 613, counting between the α of and the α of Torah or the α of Torah or the α of and the α of and also include or exclude the first and the last letters in the counting, giving you six possibilities. With all this playing around, you can increase the likelihood to 1 in 3 million.

Now, what is the bottom line? Either the author of the Torah knew 2500 years in advance about Maimonides and the Mishneh Torah or the whole story is another coincidence with a probability of 1/3,000,000.

Unfortunately, when it comes to very small or large numbers, people often lose common sense. Let us suggest the following mental experiment. The opportunity is offered to play Russian roulette when one of six chambers of a pistol is loaded with a bullet. After the cylinder is rotated, one shoots the pistol at one's head. There is no other partner, and one must repeat the game 81 times. If the person dies-he dies. If he stays alive (and the chances are 1 in 3,000,000) he will have an exciting experience. Would our skeptic take the offer? Three thousand three hundred years ago there was another skeptic - Pharoah of Egypt. Our story from Exodus 11-12 is narrated after Pharaoh has already experienced nine plagues. He still was not convinced because, as the Torah says, "The L-rd hardened the heart of Pharoah." Should one wait for the tenth plague?

Further Suggested Reading

<u> A Light Unto The Nations</u>

A Partial List of Topics

- # Rabbi Akiva's Proof For the Existence of Hashem[G-d]
- # The Experience of People Who Were Clinically Dead And Came Back to Life
- # Why the Holocaust ?
- # Let Us Make Man... (Genesis 1:26)
- # Most of The Prohibitions of The Bible Do Not Apply To Gentiles

Judaism 101

A place where every Jew can feel at home

Designed to provide comprehensive information base of basic Jewish terms, concepts and practices in the hope that everyone, no matter their nationality, faith or personal creed, will find these pages helpful, informative, and spiritually uplifting.

If you are Jewish, it is worthwhile to attend a special seminar sponsored by Yeshiva Aish Hatora where the latest statistical evidence is offered (that has convinced even military officials involved in deciphering codes) that *some* meaningful codes do exist in the Bible.

To find out information about the seminar (Discovery program) go to http://www.aish.com/

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