

OEIS: A348339

***THE PATHS OF THE LAST DIGIT OF INTEGERS RESULTED FROM ITERATING THEE MAP $m \rightarrow m^2$.

0<-- 5<-- 2,8==>4==>6<-- 3,7==>9==>1<--
|_| |_| |_| |_|

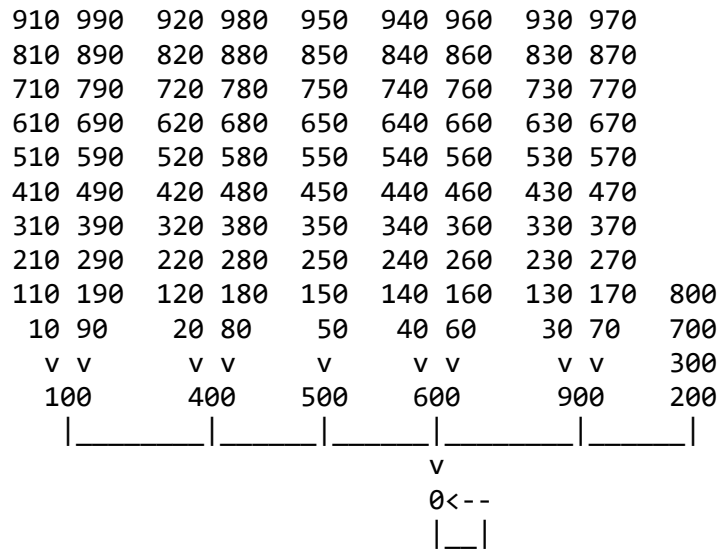
***THE PATHS OF THE LAST TWO DIGITS OF INTEGERS RESULTED FROM ITERATING THEE MAP $m \rightarrow m^2$.

10,20,30,40,50,60,70,80,90==> $\sqrt{\quad}$ 0 5,15,35,45,55,65,75,85,95==> $\sqrt{\quad}$ 25

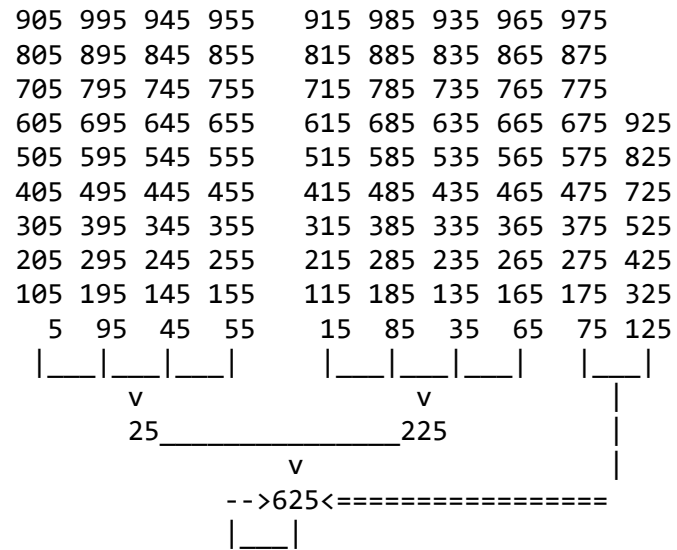
18,32,68,82==> $\sqrt{\quad}$ 24==>76<==26,74 7,43,57,93==> $\sqrt{\quad}$ 49==>1<==51,99

2,48,52,98==>4	84<==22,28,72,78	17,33,67,83==>89	29<==23,27,73,77
v v		v v	
46,54==>16==>56<==34,66		11,39==>21==>41<==71,79	
^ v		^ v	
14,86==>96<==36<==6,94		19,31==>61<==81<==59,91	
^ ^		^ ^	
8,42,58,92==>64	44<==12,38,62,88	13,37,63,87==>69	9<==3,47,53,97

***THE PATHS OF THE LAST THREE DIGITS OF INTEGERS RESULTED FROM ITERATING THEE MAP $m \rightarrow m^2$:



182, 318, 682, 818 ==> 124 \ $\sqrt{\quad}$ /
 68, 432, 568, 932 ==> 624 ==> 376
 126, 374, 626, 874 ==> 876 /



57, 193, 307, 443 \ $\sqrt{\quad}$ / / 251, 499, 501
 ==> 249 ==> 1 <=
 557, 693, 807, 943 / \ 749, 751, 999

832 826 918	982 974 768
668 674 582	518 526 732
332 326 418	482 474 268
168 174 82	18 26 232
v v v	v v v
224,276,724	324,676,824
v	v
176=====>976	
^	
v	
776<=====576	
^ ^	
76,424,924	24,476,524
^ ^ ^	^ ^ ^
226 132 118	32 74 218
274 368 382	468 426 382
726 632 618	532 574 618
774 868 882	968 926 782

407 593	493 507	
343 657	257 743	
157 843	243 757	
93 907	899 701	7 993
v v	851 549	v v
649 399	951 49	
v v	v v	
101,149,351==>201=====>401<==299,451,799		
^		
v		
51,199,301==>601<=====801<====99,151,349		
^ ^ ^ ^		
449 949	901 849	
^ ^	551 599	^ ^
107 893	699 651	43 957
143 857		207 793
357 643		293 707
393 607		457 543

998 752 886	978 754 772	838 912 766	994 908 842	802 948 786	954 872 878
748 502 614	522 746 728	662 588 734	506 592 658	698 552 714	546 628 622
252 498 386	478 254 272	338 412 266	494 408 342	302 448 286	454 372 378
2 248 114	22 246 228	162 88 234	6 92 158	198 52 213	46 128 122
v v v	v v v	v v v	v v v	v v v	v v v
4, 504,996	484,516,984	244,744,756	36,464,964	204,704,796	116,384,884
v	v	v	v	v	v
16=====>256=====>536=====>296=====>616=====>456					
58,442,558,942>364\					v / 44<138,362,638,862
194,306,694,806>636=>496					936<=544<112,388,612,888
192,308,692,808>864/	^				\956<134,366,634,866
38,462,538,962>444\					v /564<242,258,742,758
166,334,666,834>556=>136					96<=64<=8,492,508,992
212,288,712,788>944/	^				\436<206,294,706,794
54,446,554,946>916\					v /404<102,398,602,898
78,422,578,922>84==>56					216<=904<148,352,648,852
172,328,672,828>584/	^				\596<186,314,686,814
14,486,514,986>196\					v /284<222,278,722,778
202,298,702,798>804=>416					656<=716<154,346,654,846
48,452,548,952>304/	^				\784<=28,472,528,972
					v
696<=====736<=====856<=====816<=====896<=====336					
236,264,764	144,356,644	184,316,684	104,396,604	164,664,836	156,344,844
^ ^ ^	^ ^ ^	^ ^ ^	^ ^ ^	^ ^ ^	^ ^ ^
106 208 42	12 66 262	72 146 178	152 86 98	142 108 94	34 188 62
394 292 458	488 434 338	428 354 322	414 336 402	358 392 406	466 312 438
606 708 542	512 566 738	572 646 678	652 586 598	642 608 594	534 688 562
894 792 958	988 934 762	928 854 822	848 914 902	858 892 906	966 812 938

