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Theorem: An integer is a multiple of nine if and only if the sum of its digits is a multiple of nine.

Proof: Express the integer in terms of its digits: $d_0 + 10d_1 + 100d_2 + \dots + 10^n d_n$. This may be grouped into the sum of its digits $d_0 + d_1 + \dots + d_n$ plus the sum $(10 - 1)d_1 + (100 - 1)d_2 + \dots + (10^n - 1)d_n$. Since each $10^i - 1$ is divisible by nine...

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I 764	P 839	T 504	H 513	E 828	Z 775	O 886
M 436	R 972	O 997	X 466	J 600	E 459	U 370
R 696	S 819	Y 732	K 528	C 739	U 414	J 160
N 626	N 686	L 738	T 297	F 936	D 804	S 790
L 773	B 741	M 266	C 129	R 413	O 828	T 383
F 620	L 747	F 878	H 730	I 293	L 729	N 643
S 777	Z 521	O 495	W 882	S 180	T 456	R 183