



The 2021 ICPC Greater NY Regional Contest

J • Morse Code Palindromes

A **palindrome** is a word, number, phrase, or other sequence of characters which reads the same backward as forward, such as *madam* or *racecar* or *1881*. Phase palindromes ignore capitalization, punctuation, and word boundaries. For example:

Madam I'm Adam.

Morse code is a method used in telecommunication to encode text characters as standardized sequences of two different signal durations, called dots and dashes, or dits and dahs. Morse code is named after Samuel Morse, one of the inventors of the telegraph. The international morse code for letters and digits is (Note that the code for upper and lower case letters is the same.):

A	• —	M	— —	Y	— • — —
B	— • • •	N	— •	Z	— — • •
C	— • — •	O	— — —	0	— — — —
D	— • •	P	• — — •	1	• — — —
E	•	Q	— — • —	2	• • — — —
F	• • — •	R	• — •	3	• • • — —
G	— — •	S	• • •	4	• • • • —
H	• • • •	T	—	5	• • • • •
I	• •	U	• • —	6	— • • • •
J	• — — —	V	• • • —	7	— — — • • •
K	— • —	W	• — —	8	— — — • •
L	• — • •	X	— • • —	9	— — — — •

