







## When in Rome

*The Boston Advanced Physics Laboratories would like to invite you to visit our European headquarters in Rome. But since I'm holding you hostage here in Somerville while you complete the evaluation process, you'll just have to pretend.*

Let  $w$  be the number of locations with no repeated letters (not necessarily consecutive) in their (one-word) name. Let  $x$  be the number of locations that are missing their informational sign. Let  $y$  be the number of locations with a building depicted on top. Let  $z$  be the number of locations with the letter 'e' in their name.

Take the first  $w$  letters of the name of the location with  on it. Add the last  $w$  letters of the name of the location with  on it to the end. Add the last  $x$  letters of the name of the location with  on it to the end. Change the  $y$ -th letter of the resulting string to the  $z$ -th letter of the name of the location with  on it, and you're done.