

January 30, 2008.

Problem 2.30

Consider tokens that have some letter written on one side and some integer written on the other, in unknown combinations. The tokens are laid out, some with letter side up, some with number side up. Explain what tokens must be turned over to determine whether these statements are true:

1. Whenever the letter side is a vowel, the number side is odd.
2. The letter side is a vowel if and only if the number side is odd.