

Homework 4

Translate the following sentences into predicate logic notation. You may use the suggested upper case letters for predicates, and lower case letters for names.

1. Some people born in Ontario are US citizens. (O, U)
2. All people born in Alaska are US citizens. (A, U)
3. No person born in Ontario is eligible to become the US President.
(O, E)
4. Some Princeton students are not US Citizens. (P, U)
5. Rob is a tall Canadian. (r, T, C)
6. Only Princeton students may attend this lecture. (L, P)
7. Some things are round and some things are square, but there are no round squares. (R, S)
8. Dogs and cats are good housepets. (D, C, G)