

Re: translation

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On Mon, 20 Sep 2004, nsgi_2004 wrote:

> *"For all sets A and B, there is a function f that maps A onto B."*

>

> *I'm supposed to translate that into logic symbols.*

> *Then my translation: Let U denote the universal quantifier and \exists denote the
> existential quantifier:*

>

> *$(\forall A \text{ and } \forall B) \exists f, f(A) \rightarrow B$*

>

> *Is that correct?*

>

UA and UB isn't well formed formula.

$f(A) \rightarrow B$ isn't using notation correctly

for all sets A, for all sets B, some function f that is from A onto B

for all A, for all B, (if A set & B set then

some f with f function and f from A and f onto B)

> *One thing that makes me wonder if I'm not suppose to have the "and" is that*

> *this section on quantifiers comes before the section on the logical*

> *operators, such as and. So I'm wondering if I should be using it yet.*

>

for all sets A,B, some surjection $f:A \rightarrow B$