Pierce translation in MinLog

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We present the author's implementation in the proof assistant MinLog of the Peirce translation devised by Escardó and Oliva [1]. This is an alternative to MinLog's refined A-translation for extracting programs from certain classical proofs. We demonstrate the Peirce translation on a simple proof of the infinite pigeon-hole principle using countable choice [2].

References

- 1. Martín Escardó and Paulo Oliva. *The Pierce translation*, Annals of Pure and Applied Logic, to appear, 2011.
- 2. Martín Escardó and Paulo Oliva. *Bar recursion and products of selection functions*, Submitted for publication, November 2010.

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