Contents

		Page
	Introduction	1
1.	Lambda-conversion	3
2.	Combinators	14
3.	Representing the recursive functions	26
4.	The undecidability theorem	35
5.	Extensional equality	40
6.	The equivalence of λ -conversion and the	
	theory of combinators	47
7.	Strong reduction	52
8.	Combinators with types: first approach	66
9.	Combinators with types: second approach	75
10.	Logic based on combinators	101
11.	Gödel's functions of finite type	127
	Appendix 1: proof of the Church-Rosser theorem	139
	Appendix 2: proof of Theorem 11.17	151
	Bibliography	157
	Index	163