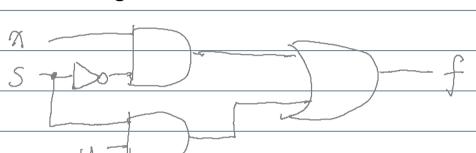
Part I

Multiplexer boolean function

 $f = \chi s' + y s$

1. Gate diagram



2. Truth table

	x	у	s	f
_	0	0	0	0 -
	0	0	1	0
	0	1	0	0
	0	1	1	1
	1	0	0	1
	1	0	1	0
	1	1	0	1
	1	1	1	1

Part II

Boolean expression

1. Gate diagram

2. Truth table

а	D	С	Т
0	0	0	1 -
0	0	1	1
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	0

