

Exercise 1 Run the Find-S Algorithm on the following inputs.

(a)

x_0	x_1	x_2	x_3	x_4	x_5	x_6	x_7	$f(x)$
0	1	1	1	0	1	1	0	1
1	1	1	0	0	1	0	0	1
1	1	1	0	1	1	1	1	0
0	1	0	1	0	1	1	0	1
0	1	0	1	0	1	0	0	1
1	0	0	0	1	0	1	1	0
0	0	0	1	0	0	0	1	0
1	1	1	0	0	1	0	0	1

(b)

x_0	x_1	x_2	x_3	x_4	x_5	x_6	x_7	$f(x)$
0	1	0	1	1	0	0	1	1
0	1	1	1	0	0	1	1	0
1	1	0	0	1	1	0	1	0
0	1	1	0	1	0	0	1	1
0	0	0	1	0	0	0	0	1
1	0	0	0	1	0	1	1	0
0	0	1	1	1	0	0	0	1
0	1	1	0	0	0	0	1	1

Exercise 2 Run the Candidate-Elimination Algorithm on the following inputs.

(a)

x_0	x_1	x_2	x_3	$f(x)$
0	1	1	0	1
1	1	0	0	1
1	0	1	1	0
0	0	1	0	1
0	0	1	1	0
1	1	0	1	0

(b)

x_0	x_1	x_2	x_3	$f(x)$
1	0	1	1	0
1	1	0	0	1
0	0	0	0	1
0	1	1	1	0
1	0	0	0	1
0	0	1	1	0