

1. List the members of your group below. Underline your name.

2. Trace the *naive* evaluation of each of the following Datalog queries. Repeat for *semi-naive* evaluation.

(a) $q1(x, y) \leftarrow \text{Edge}(x, y).$	Edge
$q1(x, y) \leftarrow q1(x, z), \text{Edge}(z, y).$	S D
(b) $q2(x, y) \leftarrow \text{Edge}(x, y).$	1 2
$q2(x, y) \leftarrow q2(x, z), q2(z, y).$	1 3
(c) $q3(x, y) \leftarrow q1(x, y), \neg q2(x, y).$	1 4
	2 4
(d) $q4(x) \leftarrow q1(1, x).$	3 5
$q5(x) \leftarrow q3(2, x).$	5 1
$q6(x) \leftarrow q1(x), q2(y, x), \neg q5(x).$	5 3
	4 2
	4 6
	6 7
	7 3

[additional space for answering the earlier question]