

Exercise I

1a) We can say that the frequency of "Malicious ..." is 10 times the frequency of "Servers ..."

1b) We can say that the frequency of "Malicious ..." is at least 10 times the frequency of "Servers ..."

Exercise I

2a) Using the leads-to and the aggregation rules we get that the frequency of "Servers ..." is

$$(5*0.2 + 7*0.1):1y = 1.7:1y$$

This is valid under the assumption that the separateness of the two left-hand scenarios is maintained wrt to their respective contributions to "Servers ...". If not the answer above is just an upper bound.

2b) It is inconsistent if complete; consistent otherwise

2c) It is inconsistent if complete; consistent otherwise

Exercise II

1a) sometimes

1b) sometimes * 0.1 = [1:1y , 0.1:1y] = seldom

2a) (rarely*0.2 + sometimes*0.1):1y = [0.002:1y , 0] + [1:1y , 0.1:1y] =

Seldom

This is valid under the assumption that the separateness of the two left-hand scenarios is maintained wrt to their respective contributions to "Servers ...". If not the answer above is just an upper bound.

2b) No, independent of whether the diagram is complete or not