Part 1

1. I performed the traces from home.
2. The trace to cnn failed. The other traces were able to successfully connect to the destination server.
3. The first 3 nodes are the same for all of the traces. The result is expected because my home network has only one modem. Since there is only one modem, the access network is only the first node. The second and third nodes are probably part of Bell’s core network connecting people in the same area. Then the nodes are different since the packets must go to different destinations.
4. Since cnn timed out before completing, I’m not sure where it is hosted. google.ca is probably hosted in New York judging from the 6th node in the trace. It is somewhat surprising since the domain is .ca. Facebook’s site is hosted in New York as well judging from the 7th node, which isn’t very surprising. The National Post site is hosted in Montreal, which isn’t surprising. Baidu seems to be hosted in Hong Kong, which isn’t surprising.
5. The National Post is using Akamai as a content distribution provider as can be seen from the output “Tracing route to a908.g.akamai.net [67.69.197.144]”
6. I performed my second set of traces in Trottier.
7. The domains did not get mapped to the same IP addresses both times.
8. The overlap only occurs when tracing the route taken to Baidu. However, the route does not overlap until the node at Japan is reached.