

**Question 1: Intrusion Detection Systems** An organization installed a new intrusion detection system. The IDS boasts the following:

TPR = 99%

TNR = 98%

On a typical day the organization's network will see 50,000 events, 2 of which are intrusions. How many alarms will be raised?

**Question 2: More Intrusion Detection** An organization installed a new intrusion detection system. On a typical day the organization's network will see 50,000 events, 2 of which are intrusions, and the IDS will raise 100 alarms. Assuming both intrusions are detected, what is the alarm precision of the IDS?