Detection Tool / Error Types	Scanner	Checksum	Binary Analysis	Generic Monitor	Access Control Shell
False Positives	**Infrequent** Signatures can occur in valid files	**Frequent** Every time a program is modified	**Frequent** In our test, 15% errors	**Frequent** Whenever a legitimate program performs virus-like actions	**Frequent** Whenever a legitimate program performs virus-like actions
False Negatives	**Infrequent** May not detect variants; won't detect new viruses	**Never** Viruses always change executables	**Frequent** In our test, 8% errors	**Frequent** Viruses that circumvent OS can be missed	**Frequent** Viruses that circumvent OS can be missed