

Box 12.2

Solution to the Logic Puzzle in Box 12.1

Tim said, in effect, that either Jim or Kim was the graffiti artist. If Tim lied, then neither Jim nor Kim was guilty, which means that Jim was innocent and therefore was speaking truthfully. Therefore, if Tim lied, then Jim didn't lie, so it is impossible that they both lied. Therefore, Kim's statement that Jim and Tim didn't both lie is true. So we know that Kim spoke the truth. But it is given that Kim and Jim didn't both speak the truth. Then, because Kim did, Jim must not have. If Jim lied, his statement of innocence was false, so he was the one who spray painted.