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Many real-world settings involve interacting parties with private information. As the prototypical such setting, poker has been a grand challenge in game theory and artificial intelligence (AI) for seven decades. A new poker AI, Pluribus, has reached the key remaining milestone: superhuman performance when there are multiple opponents at the table. Prior superhuman game-playing milestones—even in perfect-information games—have been limited to two-player games. See pages 864 and 885. Illustration: Jason Solo/The Jacky Winter Group.

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