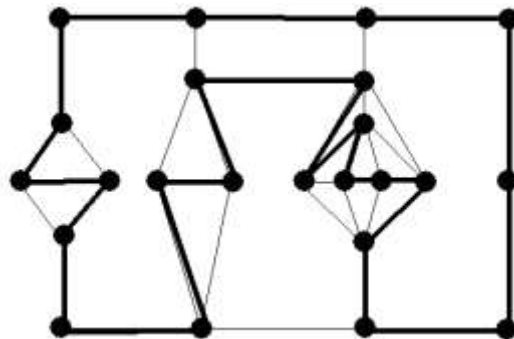
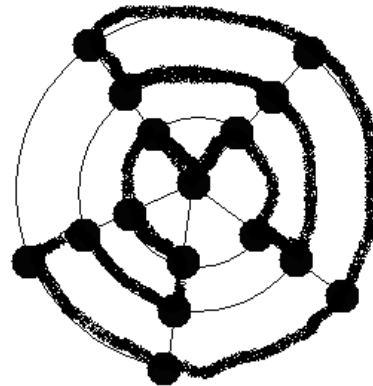
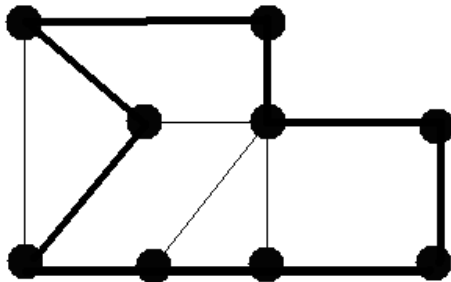
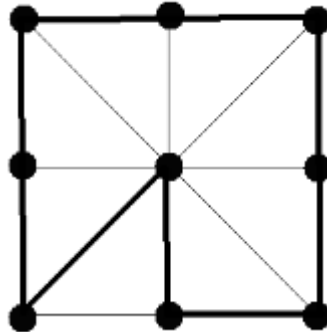
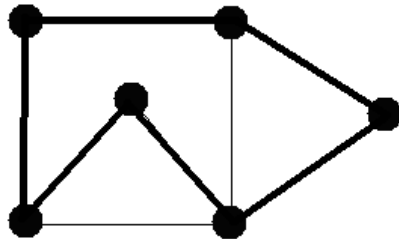


WITHOUT WORDS

Mathematical Puzzles to Confound and Delight



WW 16: SOLUTION



Alternative solutions to each of these puzzles are possible. We seek here a journey on each network that follows only the edges drawn, visits each dot exactly once, and returns to start. Mathematicians call such a journey on a network diagram a *Hamiltonian circuit*. It is surprisingly difficult to tell whether or not a particular network admits a Hamiltonian circuit. This work is still an active area of research today.