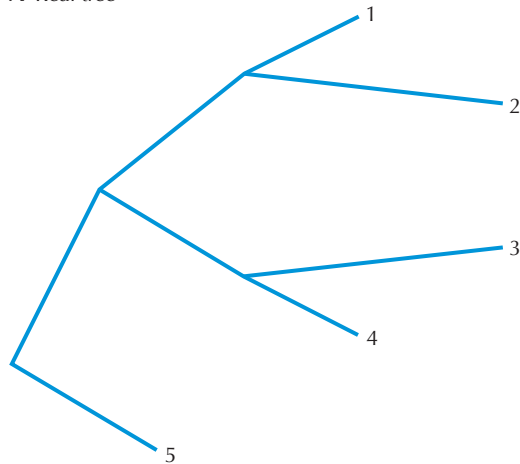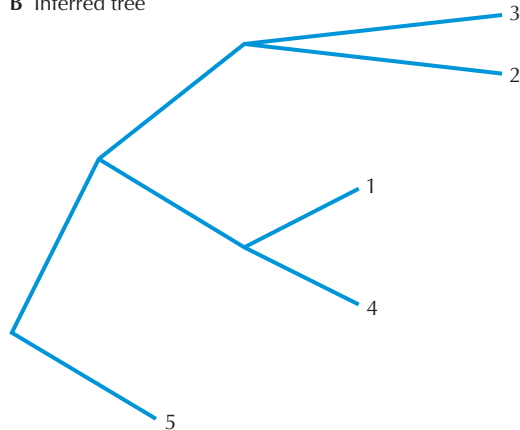**FIGURE 27.19.** A simulated example of long-branch attraction. (*A*) The real tree of the relationships among five taxa, with two taxa (2 and 3) having long evolutionary branches. (*B*) An inferred tree of the taxa in which 2 and 3 are artificially grouped together because of the phenomenon of long-branch attraction.