A quality-control person randomly selects 50 of the parts produced by the machine today and examines them one at a time in the order that they were made. The result is 40 parts with no flaws and 10 parts with flaws. The sequence of no flaws (denoted by *N*) and flaws (denoted by *F)* is shown below. Using an alpha of .05, determine whether the machine is producing randomly (the flaws are occurring randomly).

NNN F NNNNNNN F NN FF NNNNNN F NNNN F NNNNNNFFFF NNNNNNNNNNNN