## Answer on Question #40098, Math, Statistics and Probability

Show all the ways in which 3 games of football can be concluded (it can be a win W, a loss L, or a draw X)

## Solution

We have two teams and three games. Let W – event "1-st team win the game", L – event "1-st team lose the game", X - event "it was a draw".

Let's show all possible variants:

WWW, WWX, WWL, WLW, WLX, WLL, WXW, WXX, WXL,

LWW, LWX, LWL, LLW, LLX, LLL, LXW, LXX, LXL,

XWW, XWX, XWL, XLW, XLX, XLL, XXW, XXX, XXL.

There are 27 possible results of 3 games of football.