

Directions: Diagram the following conditionals.

Unless you take these steroids, you will not hit 60 home runs.

60 \rightarrow TS (If you hit 60 home runs, then you took steroids.)

\sim TS \rightarrow \sim 60 (If you do not take steroids, you will not hit 60 home runs.)

Unless Mac drops the ball, we will win the game.

\sim WG \rightarrow MDB (If we do not win the game, Mac dropped the ball.)

\sim MDB \rightarrow WG (If Mac doesn't drop the ball, then we will win.)

Without studying, John will fail this test.

\sim S \rightarrow JF (If John doesn't study, then he will fail.)

\sim JF \rightarrow S (If John does not fail, then he studied.)

Until Sarah cooks dinner, we will play Scrabble.

\sim Scrabble \rightarrow SCD (If we are not playing Scrabble, Sarah has cooked dinner.)

\sim SCD \rightarrow Scrabble (If Sarah has not cooked dinner, we will play dinner.)

Tim goes to the party unless Heidi does.

\sim T \rightarrow H (If Tim does not go to the party, Heidi does.)

\sim H \rightarrow T (If Heidi does not go to the party, Tim does.)

Falafels are served for lunch, except on Tuesdays.

\sim F \rightarrow T (If falafels are not served for lunch, then it is Tuesday.)

\sim T \rightarrow F (If it is not Tuesday, then falafels are served for lunch.)

Unless you hurry, we will miss the plane.

\sim MP \rightarrow H (If we will not miss the plane, then you will have hurried.)

\sim H \rightarrow MP (If you do not hurry, we will miss the plane.)

There can be no tomatoes without healthy soil.

T \rightarrow HS (If there are tomatoes, then there is healthy soil.)

\sim HS \rightarrow \sim T (If there is no healthy soil, then there are no tomatoes.)