

Definition 1. The *NFLHeadCoach* relation includes three sets:

- The domain consists of all head coaches of NFL teams throughout the NFL's history.
- The codomain consists of all NFL teams throughout the NFL's history.
- A set of ordered pairs. The pair (person, team) is a member of the NFL-HeadCoach relation if the person was a head coach of the team at some point throughout the NFL's history.

Exercise 1 Is (Vince Lombardi, Green Bay Packers) a pair in the NFLHeadCoach relation?

Multiple Choice:

- (a) Yes ✓
- (b) No

Feedback (attempt): Lombardi was the head coach of the Green Bay Packers from 1959 to 1967.

Exercise 2 Is (Dallas Cowboys, Tom Landry) in the NFLHeadCoach relation?

Multiple Choice:

- (a) Yes
- (b) No ✓

Feedback (attempt): Tom Landry was the head coach of the Dallas Cowboys, but this pair is backwards for the relation.

Exercise 3 Is (Don Shula, Cleveland Browns) in the NFLHeadCoach relation?

Multiple Choice:

- (a) Yes
- (b) No ✓

Feedback (attempt): Don Shula is in the domain and the Cleveland Browns are in the codomain, but Don Shula was not a head coach of the Cleveland Browns and any time.

Exercise 4 Is it possible that a person is in more than 1 pair in the NFLHeadCoach relation?

Multiple Choice:

- (a) Yes ✓
- (b) No

Feedback (attempt): Many people coached two or more NFL teams.

Exercise 5 Is it possible that an NFL team is in more than 1 pair in the NFLHeadCoach relation?

Multiple Choice:

- (a) Yes ✓
- (b) No

Feedback (attempt): Most NFL teams have had multiple head coaches.
