```
                    ( name )    ( elo_rating )
                         \          /
                      +----------------+
                      |    players     |
                      +----------------+
                              1
                    .....              .....
              /¯¯¯¯¯¯¯¯\          /¯¯¯¯¯¯¯¯\
             < played in >      < played in >
              _____/          _____/
                         N     N
    ( round )---+===============+        ( moves )
                |     games     |
                +===============+        ( result )
                        N
                  /¯¯¯¯¯¯¯¯\
                 <  hosted  >
                  _____/
                        1
                  +----------------+
                  |     Events     |
                  +----------------+
                   /       |       \
              ( name )  ( site )  ( date )
```

```sql
CREATE TABLE players (
    id integer PRIMARY KEY,
    name varchar(50),
    elo_rating integer,
    UNIQUE (id, name, elo_rating) -- ensure unique with primary key as these are identifying
natural keys
)

CREATE TABLE events (
    id integer PRIMARY KEY,
    name varchar(50),
    date date,
    site varchar(50),
    UNIQUE(id, name, date) -- ensure unique with primary key as these are identifying natural
keys
)

CREATE TABLE games (
    player_black integer,
    player_white integer,
    event_id integer,
    round integer,
    moves varchar(255),
    result varchar(8),
    UNIQUE (player_black, player_white, event_id, round), -- round is partial key, include for
uniqueness in weak entity
    FOREIGN KEY (player_black, player_white) REFERENCES players (id, id),
    FOREIGN KEY (event_id) REFERENCES events (id)
)
```