



Reduction of entities:

crew(first_name, last_name, dob, gender)

PK: first_name, last_name

project(title, release_year, studio, series)

PK: title, release_year

character(identity, hero_name)

PK: identity

character_power(identity, power) /* multivalued attribute to character */

PK: identity, power

FK: character_power(identity) -> character(identity)

episode(title, release_year, season, episode_no, episode_title)

PK: title, release_year, season, episode_no

FK: episode(title) -> show(title)

episode(release_year) -> show(release_year)

Reduction of ISA relationships:

movie(title, release_year)

PK: title, release_year

FK: movie(title) -> project(title)

movie(release_year) -> project(release_year)

show(title, release_year)

PK: title, release_year

FK: show(title) -> project(title)

show(release_year) -> project(release_year)

director(first_name, last_name)

PK: first_name, last_name

FK: director(first_name) -> crew(first_name)

director(last_name) -> crew(last_name)

actor(first_name, last_name)

PK: first_name, last_name

FK: actor(first_name) -> crew(first_name)

actor(last_name) -> crew(last_name)

Reduction of relationships:

episode_director(first_name, last_name, title, release_year, season, episode_no)

PK: first_name, last_name, title, release_year, season, episode_no

FK: episode_director(first_name) -> director(first_name)

episode_director(last_name) -> director(last_name)

episode_director(title) -> episode(title)

episode_director(release_year) -> episode(release_year)

episode_director(season) -> episode(season)

episode_director(episode_no) -> episode(episode_no)

movie_director(first_name, last_name, title, release_year)

PK: first_name, last_name, title, release_year

FK: movie_director(first_name) -> director(first_name)

movie_director(last_name) -> director(last_name)

movie_director(title) -> movie(title)

movie_director(release_year) -> movie(release_year)

plays(first_name, last_name, title, release_year, identity)

PK: first_name, last_name, title, release_year, identity

FK: plays(first_name) -> actor(first_name)

plays(last_name) -> actor(last_name)

plays(title) -> project(title)

plays(release_year) -> project(release_year)

plays(identity) -> character(identity)