1.∏{title} (σ (cname=”Evnet” and location =’george st’)(Movie ⋈ Movieshowing ⋈ Cinema ⋈ (σ(genre=’comeday’)(Genre of Film))

2. A←∏{cID} (σ(cname =”Event” and location=”Chatswood”) (Cinema))
B←∏{cID} (σ(cname =”Hoyts” and location=”Chatswood”) (Cinema))
C←∏{title,releaseDate} (Moiveshowing ÷ (A ∪ B))

3. allmovie←∏{mID}(σ(name=”James Wan”)(Director ⋈ Filming)

Aquanman←∏{mID}(σ(title=” Aquaman”)(allmovie ⋈ Moive))

otherMoive←∏{mID}(Moive - Aquanman)

seeAuan←∏{name} (Customer ⋈ WatchMovie ⋈ aquanman

seeOther←∏{name} (Customer ⋈ WatchMovie ⋈ otherMoive

malePerson ← ∏{name}(σ(gender=”male”(Customer ⋈

seeAquan))

D←∏{name} (malePerson-seeOther)

4.A ← ∏{mID}(σ(genre=”fantasy”)(Genre of Film)) ∩ ∏{mID}(σ(genre=”violence”)(Genre of Film))

findDirector←∏{name,mID}(filming ⋈A⋈Director)

allMoviedirecSee ← ∏{cusID,mID,name}(Customer ⋈

findDirector⋈WatchMoive)

C ←∏{name}(allMoviedirecSee)

5. allmovie←∏{mID}(σ(runningTime>120)(Moive))

B ← ∏{cusID}(σ(cname ≠ ”Hoyts”)(WatchMoive ⋈ cinema ÷ allmovie))

C←∏{name}(σ(age>30 and age<50)(B⋈Customer))