```
1
πTitle(σName='Sci-Fi'(Movies⊠Genres))
2
\piFirstname,Lastname(\sigmaRuntime>150 \vee Budget>20000000((Movies\bowtiePersonsMovies)\bowtiePersons))
3
\piTitle(\sigmaRuntime<120 \vee Runtime>180(\sigmaFirstname='James' \wedge
Lastname='Cameron'(Persons™PersonsMovies)) Movies))
4
πMovie ID,
Title,ReleaseDate,Genre_ID,Budget,OpeningWeek,Profit,Runtime,Certificate,Movies.SequelOf,Distrib
ution (Movies⋈Movie_ID=SequelMovies.SequelOf ρ SequelMovies (π
SequelOf(\sigmaSequelOf\neqNULL(Movies))))\cup(Movies\ltimes(\sigma Name = 'Action' (Genres)))
5
- πMovie_ID,
Title, Release Date, Genre_ID, Budget, Opening Week, Profit, Runtime, Certificate, Movies. Sequel Of, Distrib
ution (Movies⋈Movie ID=SequelMovies.SequelOf ρ SequelMovies (π
SequelOf(\sigmaSequelOf\neqNULL(Movies))))\cap(Movies\ltimes(\sigma Name = 'Action' (Genres)))
- \piTitle(\sigmaName='Action'(Movies \bowtie Genres)) ∩
\piTitle(\rhoMovie_ID \leftarrow SequelOf(\piSequelOf(\sigmaSequelOf\neqNULL(Movies))) \bowtie Movies)
6
- Movies-(πMovie_ID,
Title, Release Date, Genre_ID, Budget, Opening Week, Profit, Runtime, Certificate, Movies. Sequel Of, Distrib
ution (Movies⋈Movie_ID=SequelMovies.SequelOf ρ SequelMovies (π
SequelOf(σSequelOf≠NULL(Movies)))))
- \piTitle(Movies - \rhoMovie_ID ← SequelOf(\piSequelOf(\sigmaSequelOf\neqNULL(Movies))) \bowtie Movies)
```