

1. *Author* ⋈_{authorid=editor} *Book*

```
SELECT Author.id
FROM AuthorPub
WHERE AuthorPub.author_position = 'editor'
```

2. $\Pi_{first_name, last_name} \Pi_{author_id} Author - \Pi_{editor} Book \bowtie Author$

```
SELECT Author.firstName, Author.lastName
FROM Author
WHERE NOT EXISTS(
    SELECT 1
    FROM Book
    WHERE author.author_id = book.editor
)
```

3. $\Pi_{author_id} Author - \Pi_{editor} book$

```
SELECT Author.author_id
FROM Author author
WHERE NOT EXISTS(
    SELECT 1
    FROM Book book
    WHERE author.author_id = book.editor
)
```