General assertions are often not equivalent to similar in-table checks

```
CREATE TABLE Book (
        Isbn INTEGER,
        Title CHAR[120] NOT NULL,
        Synopsis CHAR[500],
        ListPrice CURRENCY NOT NULL,
        …
        PublisherName CHAR[120] NOT NULL,
        PublicationDate DATE NOT NULL,
        PublisherComment CHAR[500],
        PublicationCommentDate DATE,
        PRIMARY KEY (Isbn),
        FOREIGN KEY (PublisherName) REFERENCES Publisher,
        ON DELETE NO ACTION, ON UPDATE CASCADE,
        …
)

CREATE TABLE Publisher (
        PublisherName CHAR[120],
        PublisherAddress ADDRESS,
        PRIMARY KEY (PublisherName).
        CHECK (PublisherName IN
                    (SELECT B.PublisherName FROM Book B))
)

/* versus */

CREATE ASSERTION PublisherBookConstraint
CHECK (NOT EXISTS
            (SELECT *
             FROM Publisher P
             WHERE P.PublisherName NOT IN (SELECT B.PublisherName
                                            FROM Book B)))
```

The general assertion is checked when the corresponding in-Publisher CHECK would not be