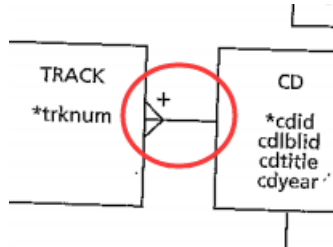


Explanation of the ER diagram:

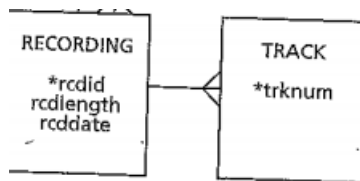
* symbol means the attribute is PART of a primary key.



In the ER diagram, you see many symbols like this.

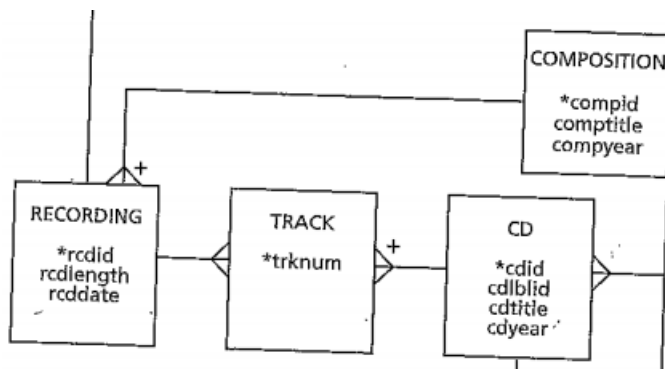
➤ This symbol means we **MUST** add the primary key of CD (cdid) to TRACK as a foreign key of TRACK..

+ This symbol means the foreign key (cdid) we added is **PART** of the primary key of TRACK.



This one means we **MUST** add the primary key of RECORDING to TRACK as a foreign key of TRACK.

But the added attributes **are NOT** part of the primary key of TRACK. (NO + symbol)



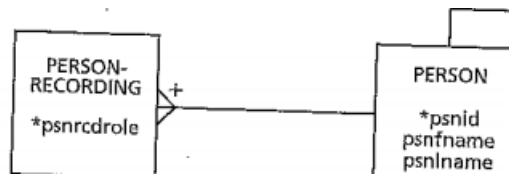
Similarly, **compid** is **added to RECORDING** at **part of the primary key of TRACK** (because there is a + symbol). So, the primary key of RECORDING is (rcdid, compid).

Then we must add the primary key of RECORDING to TRACK.

We also must add cdid to TRACK. So, there are four attributes in TRACK.

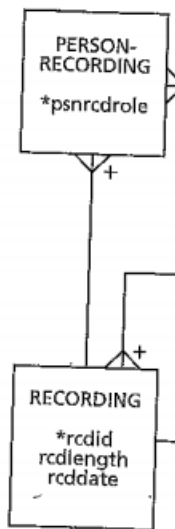
Primary key of TRACK is (trknum, cdid). (only + from CD, no + from RECORDING).

Let's check another similar example:



This means, we must add the primary key of PERSON (psnid) to PERSON-RECORDING.

Also, psnid is PART of the primary key of PERSON-RECORDING.



We also need to add the primary key of RECORDING (rcdid, compid) to PERSON-RECORDING.

And (rcdid, compid) is PART of the primary key of PERSON-RECORDING.

So, PERSON-RECORDING has four attributes and the primary key of PERSON-RECORDING is (psnid, compid, rcdid, psnrcdrole).

Here are all attributes (IN THE EXACT ORDER) of each table, but You must identify the primary keys and foreign keys.

label:

```
lbltitle VARCHAR(50),
lblstreet VARCHAR(50),
lblcity VARCHAR(50),
lblstate VARCHAR(50),
lblpostcode VARCHAR(15),
lblnation VARCHAR(50),
```

cd :

```
cdid INTEGER,  
  cdlblid VARCHAR(20),  
  cdtitle VARCHAR(50),  
  cdyear NUMERIC(4,0),  
  lbltitle VARCHAR(50),
```

person :

```
psnid INTEGER,  
  psnfname VARCHAR(50),  
  psnlname VARCHAR(50),
```

composition :

```
compid INTEGER,  
  comptitle VARCHAR(50),  
  compyear NUMERIC(4,0),
```

recording:

```
rcdid INTEGER,  
  rcdlength NUMERIC(4,2),  
  rcddate DATE,  
  compid INTEGER,
```

track:

```
cdid INTEGER,  
  trknum INTEGER,  
  rcdid INTEGER,  
  compid INTEGER,
```

person_cd:

```
psncdorder INTEGER,  
  psnid INTEGER,  
  cdid INTEGER,
```

person_composition:

```
psncomprole VARCHAR(20),  
psncomporder INTEGER,  
psnid INTEGER,  
compid INTEGER,
```

person_recording:

```
psnrrole VARCHAR(20),  
psnid INTEGER,  
compid INTEGER,  
rcdid INTEGER,
```