Lösung

Ausgangssituation:

CD_Lied

CD_ID	Album	Gründung	Titelliste
4711	Anastacia – Not That Kind	2000	{1. Not That Kind, 2. I'm Outta Love, 3. Cowboys & Kisses}
4712	Pink Floyd – Wish You Were Here	1975	{1. Shine On You Crazy Diamond}
4713	Anastacia – Freak of Nature	2001	{1. Paid my Dues}

1. NF erfüllt?

CD Lied

CD_Lied								
Albumtitel	Interpret	Gründung	Track	Titel				
Not That Kind	Anastacia	2000	1	Not That Kind				
Not That Kind	Anastacia	2000	2	I'm Outta Love				
Not That Kind	Anastacia	2000	3	Cowboys & Kisses				
Wish You Were Here	Pink Floyd	1975	1	Shine On You Crazy Diamond				
Freak of Nature	Anastacia	2001	1	Paid my Dues				
	Not That Kind Not That Kind Not That Kind Wish You Were Here	Not That Kind Anastacia Not That Kind Anastacia Not That Kind Anastacia Wish You Were Here Pink Floyd	Albumtitel Interpret Gründung Not That Kind Anastacia 2000 Not That Kind Anastacia 2000 Not That Kind Anastacia 2000 Wish You Were Here Pink Floyd 1975	Albumtitel Interpret Gründung Track Not That Kind Anastacia 2000 1 Not That Kind Anastacia 2000 2 Not That Kind Anastacia 2000 3 Wish You Were Here Pink Floyd 1975 1				

2. NF erfüllt ??

CD_LIEG

CD_ID	Albumtitel	Interpret	Gründung	Track	Titel
4711	Not That Kind	Anastacia	2000	1	Not That Kind
4711	Not That Kind	Anastacia	2000	2	I'm Outta Love
4711	Not That Kind	Anastacia	2000	3	Cowboys & Kisses
4712	Wish You Were Here	Pink Floyd	1975	1	Shine On You Crazy Diamond
4713	Freak of Nature	Anastacia	2001	1	Paid my Dues

Mögliche Anomalien ?

CD_Lied (inkonsistent)

CD_ID	Albumtitel	Interpret	Gründung	Track	Titel
4711	I Don't Mind	Anastacia	2000	1	Not That Kind
4711	Not That Kind	Anastacia	2000	2	I'm Outta Love
4711	Not That Kind	Anastacia	2000	3	Cowboys & Kisses
4712	Wish You Were Here	Pink Floyd	1975	1	Shine On You Crazy Diamond
4713	Freak of Nature	Anastacia	2001	1	Paid my Dues

Lösung?

		CD	Lied			
CD_ID	_ID Albumtitel Interpret		Gründung	CD_ID	Track	Titel
4711	Not That Kind	Anastacia	2000	4711	1	Not That Kind
4712	Wish You Were Here	Pink Floyd	1975	4711	2	I'm Outta Love
4713	Freak of Nature	Anastacia	2001	4711	3	Cowboys & Kisses
				4712	1	Shine On You Crazy Diamond
				4713	1	Paid my Dues

3. NF erfüllt?

1. NF: NF 2 ist erfüllt

keine transitiven Abhängigkeiten zwischen Nichtschlüsselattributen

	CI	R	
CD_IID	Albumtitel	Interpret	Gründung
4711	Not That Kind	Anastacia	1999
4712	Wish You Were Here	Pink Floyd	1965
4713	Freak of Nature	Anastacia	1999 7001

Gründung hängt am Interpreten und nicht an der CDID

Gründung muss raus und Interpret muss mit in einer Neue Tabelle

Lösung:

	CD		Künstler			Lied			
CD_ID	Albumtitel	Interpret_ID	Interpret_ID	Interpret	Gründung	CD_ID	Track	Titel	
4711	Not That Kind	311	311	Anastacia	1999	4711	1	Not That Kind	
4712	Wish You Were Here	312	312	Pink	1965	4711	2	I'm Outta Love	
				Floyu	Floyd		3	Cowboys & Kisses	
4713	4713 Freak of Nature 311					4712	1	Shine On You Crazy Diamond	
					4713	1	Paid my Dues		

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