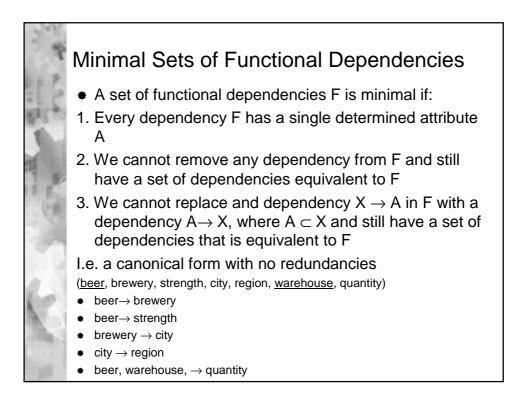
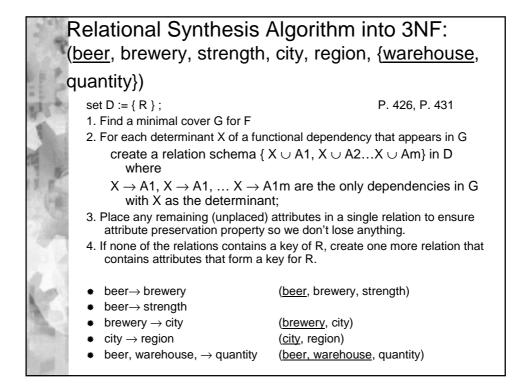
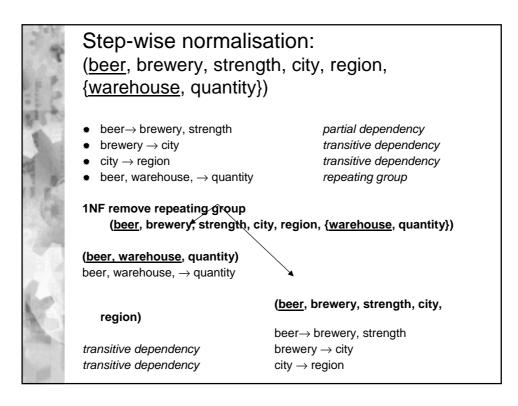
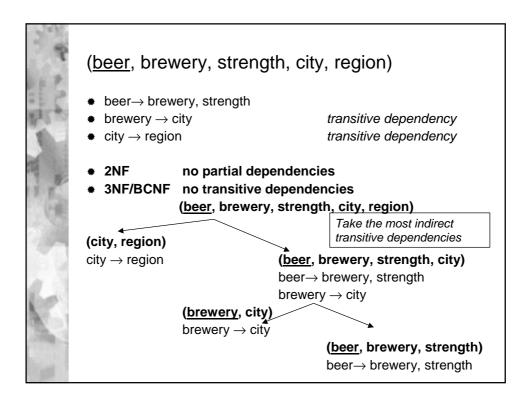


BEI	ER_DATABAS	E				
beer	brewery	strength	city	region	ware house	quantity
Choice	Websters	XX	York	North West	1	200
Choice	Websters	XX	York	North West	4	100
Choice	Websters	XX	York	North West	8	200
Old Bob	Websters	XXX	York	North West	1	300
Old Bob	Websters	XXX	York	North West	2 8	300
Landlord		XXX XXX	Leeds	North West	8	200 190
Directors			Leeus	South East	о 6	400
Directors		X	London	South East	4	290
Wobbly .		$\hat{\mathbf{x}}$	York	North West	4	90
Watery	Whitbread	0	London	South East	null	null









1	Using BNCF decomposition algorithm: (<u>beer</u> , brewery, strength, city, region, <u>warehouse</u> , quantity)					
11 P	♦ beer→ brewery, strength	partial dependency				
1500	• brewery \rightarrow city	transitive dependency				
	• city \rightarrow region	transitive dependency				
1	• beer, warehouse, \rightarrow quantity					
14	Directly to BCNF					
1	take a violating dependency and form a relation from it.					
1.55	First choose a direct transitive dependency and its <i>closure</i>					
100	(<u>beer</u> , brewery, strength, city, region, <u>warehouse</u> , quantity)					
	brewery \rightarrow city					
11	(<u>brewery</u> , city, region)	\backslash				
See.	brewery \rightarrow city					
A	city \rightarrow region <i>transitive dependency</i>					
100	(beer, brewery, strength, warehouse, quantity)					
	beer→ brewery, stren					
Sec. 1	-	• • • •				
STORE TO A	beer, warehouse, $\rightarrow c$	luannity				

