

## Normalisierung der Entitäten

	<u>1 NF:</u> <ul style="list-style-type: none"> <li>• Alle Attribute sind Atomar</li> <li>• Keine Wiederholungsgruppen</li> <li>• Eindeutiger Primärschlüssel</li> </ul>	<u>2 NF:</u> <ul style="list-style-type: none"> <li>• Volle funktionale Abhängigkeit</li> </ul>	<u>3 NF:</u> <ul style="list-style-type: none"> <li>• Keine transitiven Abhängigkeiten</li> </ul>
PANZER	Von Beginn Primärschlüssel: Name	Von Beginn	Von Beginn
SCHIFFE	Von Beginn: Primärschlüssel: Name, Class	Normalisierung in 2 NF	Nach Normalisierung in 2NF bereits in 3NF
DIVISION	Von Beginn Primärschlüssel: ID	Von Beginn	Von Beginn
BATTLE	Von Beginn: Primärschlüssel: Name	Von Beginn	Von Beginn
OPERATION	Von Beginn: Primärschlüssel: ID	Von Beginn	Von Beginn

## PANZER

In 1NF, 2NF und 3NF

<u>Name</u>	Nation	Designed	No. built	Weight	Length	Width	Height	Crew	Armor	Main	Speed
Panzer II	German	1934	1856	8.9t	4.81m	2.22m	1.99m	3	5mm – 14.5mm	2cm KwK 30	40 km/h
Panzer III	German	1935 – 1937	5774	23t	5.56m	2.90m	2.5m	5	15mm – 50mm	7.5cm KwK 37	40 km/h
Panzer 35(t)	German	1934 – 1936	434	10.5t	4.90m	2.06m	2.37m	4	16mm – 25mm	3.7cm KwK 34(t)	34 km/h
T-28 medium	Soviet	1931	503	28t	7.44m	2.87m	2.82m	6	20mm – 30mm	7.62cm Kt-28	37 km/h
T-26 light	Soviet	1928 – 1931	10300	9.6t	4.65m	2.44m	2.24m	3	6mm – 15mm	4.5cm 20K mod. 1932-34 tank gun	31.1 km/h

## SCHIFFE

### 1 NF:

<u>Name</u>	Nation	Type	<u>Class</u>	Fate	Displacement	Length	Beam	Speed	Crew	Main	Armor	Year of Launch
Yamato	Japanese	Battleship	Yamato-class	Sunk 07.04.45	65027t	263m	38.9m	27 knots	2800	9x46cm Type94 guns	200mm – 650mm	1939
Bismarck	German	Battleship	Bismarck-class	Sunk 27.05.41	41000t	251m	36m	30.1 knots	2050	8x38cm SK C/34	100mm – 360mm	1940
Prinz Eugen	German	Heavy Cruiser	Admiral Hipper- class	Sunk post War	19000t	212.5m	21.7m	32 knots	1400	8x20.3cm SK C/34	20mm – 105mm	1942
HMS Prince of Wales	British	Battleship	King George V-class	Sunk 10.12.41	43000t	227.1m	31.4m	28.3 knots	1500	10x36cm Mark VII	76mm – 370mm	1941
HSM Hood	British	Battlecruiser	Admiral- class	Sunk 24.05.41	47400t	262.3m	31.8m	31 knots	1400	8x38.1cm BL 15- inch MK I guns	19mm – 305mm	1945
Atlantis	German	Auxiliary Cruiser		Sunk 22.11.41	17600t	155m	18.7m	17.5knots	349	6x15cm SK L/45		1939

## 2 NF

{Name} ->> {Nation}

{Class} ->> {Displacement, Length, Beam, Speed, Crew, Main, Armor, Type}

### SCHIFFE

<u>Name</u>	<u>Class</u>	Year of Launch	Fate
Activity	Activity-class Escort Carrier	1942	Sold into merchant service 25.3.1946
Admiral Hipper	Admiral Hipper-class Heavy Cruiser	1937	Scuttled 2.5.1945
Bluecher	Admiral Hipper-class Heavy Cruiser	1937	Sunk 9.4.1940
Prinz Eugen	Admiral Hipper-class Heavy Cruiser		Sunk 1946
Hood	Admiral-class Battlecruiser	1918	Sunk 24.5.1941
Agano	Agano-class Light Cruiser	1941	Sunk 15.2.1944
Noshiro	Agano-class Light Cruiser	1942	Sunk 26.10.1944

### SCHIFFE\_CLASS

<u>Class</u>	Type	Displacement	Lengh	Beam	Speed	Crew	Main	Armour
Activity	Escort Carrier							
Admiral Hipper	Heavy Cruiser							
Admiral	Battlecruiser							
Agano	Light Cruiser							
Akagi	Aircraft Carrier							

## SCHIFFE\_NATION

<u>Name</u>	Nation
Activity	United Kingdom
Admiral Hipper	Germany
Bluecher	Germany
Prinz Eugen	Germany
Hood	United Kingdom

Aufgrund einer geringen Anzahl von Datensätzen, die von der Normalisierung von SCHIFFE zu SCHIFFE\_NATION betroffen sind, wird die Entität SCHIFFE\_NATION in der Umsetzung weggelassen.

## DIVISON

### 1NF, 2NF, 3NF

<u>ID</u>	Truppenstärke	Offizier	Fraktion
1D	10000	Peter	German
2D	200	Frank	French
3D	3000	Fletcher	United States

## BATTLE

1NF, 2NF, 3NF

<u>Name</u>	Date	Place	Axis	Allies	Flavour Text
The Treaty of Versailles	28. Jun 19				
Treaty of Rapallo	16. Apr 22				
Treaty of Berlin	24. Apr 26				
Jinan Incident	3 May 1928				
Second London Naval Conference	21 Jan 1930 - 22 Apr 1930				
Xinjiang Wars	20 Feb 1931 - 30 Oct 1937				

## OPERATION

1NF, 2NF, 3NF

<u>ID</u>	Name	Start Time	Teilnehmer 1	Teilnehmer 2	Flavour-Text
1	Fall Achse	1943			German response to Italian surrender to the Allies
2	Fall Anton	1942			German occupation of Vichy France after Italian support in 1942
3	Fall Blau	1935			German defense planning on the eastern border, in tandem with Fall Rot
4	Fall Blau	1938			German air force research, later renamed Planstudie 39
5	Fall Blau	1942			German attack against Voronezh, Russia