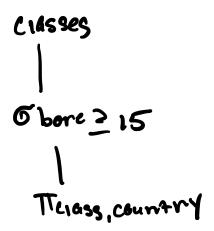
Mclassicountry (Obore 215 (classes))



			Cla	asses					R=πclass, country						
Schema	Class, type, c	ount	try, num	Guns, b	ore,	displacement	Class, type, o	Class, type, country, numGuns, bore, displacement							
Tuple	class	type	country	numGuns	bore	displacement	class	type	country	numGuns	bore	displacement			
rupic	Bismarck	bb	Germany	8	15	42,000	Bismarck	bb	Germany	8	15	42,000	Bismarck, Germany		
	Iowa	bb	USA	9	16	46,000	Iowa	bb	USA	9	16	46,000			
	Kongo	bc	Japan	8	14	32,000	Kongo	bo	Japan	0	14	32,000	Iowa, USA		
	North Carolina	bb	USA	9	16	37,000	North Carolina	bb	USA	9	16		North Carolina, USA		
	Renown	bc	Britain	6	15	32,000	Renown	bc	Britain	6	15	32.000	′		
	Revenge	bb	Britain	8	15	29,000	Revenge	bb	Britain	8	15	29,000	Renown, Britain		
	Tennessee	bb	USA	12	14	32,000	Tennecess	111	TICA	10	1/		Payanga Pritain		
	Yamato	bb	Japan	9	18	65,000	Yamato	bb	Japan	9	18	65,000	Revenge, Britain		
							Tamato	00	Japan	9	10	00,000	Yamamoto, Japan		

Trame (o naunched < 1918 (shiPS))

Ships

Ojaunched < 1918

I Thame

		Ships		σlaι	unched < 1918		R=πname
Schema	Name, Class, Launche	ed		Name, Class, Launche	ed		Name
Tuple	name	class	launched	name	class	launched	
	California	Tennessee	1915	California	Tennessee	1915	California
	Haruna	Kongo	1915	Haruna	Kongo	1915	Haruna
	Hiei	Kongo	1915	Hiei	Kongo	1915	Hiei
	Iowa	Iowa	1933	Iowa	Iowa	1933	Kirishima
	Kirishima	Kongo	1915	Kirishima	Kongo	1915	1111111111111111111111111111111111111
	Kongo	Kongo	1913	Kongo	Kongo	1913	Kongo
	Missouri	Iowa	1935	Missouri	Iowa	1935	Ramillies
	Musashi	Yamato	1942	Musashi	Vamato	1942	Renown
	New Jersey	Iowa	1936	New Jersey	Iowa	1936	Repulse
	North Carolina	North Carolina	1941	North Carolina	North Carolina	1941	Resolution
	Ramillies	Revenge	1917	Ramillies	Revenge	1917	Revenge
	Renown	Renown	1916	Renown	Renown	1916	Royal Oak
	Repulse	Renown	1916	Repulse	Renown	1916	Royal Sovereign
	Resolution	Revenge	1916	Resolution	Revenge	1916	Tennessee
	Revenge	Revenge	1916	Revenge	Revenge	1916	
	Royal Oak	Revenge	1916	Royal Oak	Revenge	1916	
	Royal Sovereign	Revenge	1916	Royal Sovereign	Revenge	1916	
	Tennessee	Tennessee	1915	Tennessee	Tennessee	1915	
	Washington	North Carolina	1941	Washington	North Carolina	1941	
	Wisconsin	Iowa	1940	Wisconsin	Iowa	1940	
	Yamato	Yamato	1941	Yamato	Vamato	1941	
		-	-		-	-	

Trame (Grattle = Suriago Strait AND result = SUNK (Outcomes))

Outcomes

|
Thatte = Suriago Strait AND result = Sunk

|
Theme

		Outcomes		σ battle=Sur	iago strait AND res	sult=sunk	R=πname
Schema	Ship, battle, resu	ult		Name, Class, Lau	unched		Name
Tuple	California Kirishima Resolution Wisconsin Tennessee Washington New Jersey Yamato Wisconsin	Surigao Strait Guadalcanal Denmark Strait Guadalcanal Surigao Strait Guadalcanal Surigao Strait Surigao Strait Surigao Strait Surigao Strait	ok sunk ok damaged ok ok ok sunk ok damaged	Ship California Kirishima Resolution Wisconsin Tennessee Washington New Jersey Yamato Wisconsin	Surigao Strait Guadalcanal Denmark Strait Guadalcanal Surigao Strait Guadalcanal Surigao Strait Surigao Strait Surigao Strait	ok sunk ok damaged ok ok ok sunk damaged	Yamato

Mname (displacement 740,000 AND launched > 1921 (classes W ships))

Giaunched > 1921 AND displacement > 40,000

Thame

			Clas	ses, Ships			σ lau	nched	d > 1921 AND	displacemen	nt > 40	,0000	R=πname
Schema	Class, type, country	, num	Guns, bore,	displaceme	nt, nai	me, class, launched	Class, type, country	, nun	nGuns, bore,	displacemen	t, nam	ie, class, launched	Name
Tuple	class	type	country	numGuns	bore	displacement	class	type	country	numGuns	bore	displacement	
	Bismarck	bb	Germany	8	15	42,000	Bismarck	bb	Germany	8	15	42,000	lowa
	Iowa	bb	USA	9	16	46,000	Iowa	bb	USA	9	16	46,000	Missouri
	Kongo	bc	Japan	8	14	32,000	Kongo	bc	Japan	8	14	32,000	
	North Carolina	bb	USA	9	16	37,000	North Carolina	bb	USA	9	16	37,000	Musashi
	Renown	bc	Britain	6	15	32,000	Renown	bc	Britain	6	15	32,000	New Jersey
	Revenge	bb	Britain	8	15	29,000	Revenge	bb	Britain	8	15	29,000	Wisconsin
	Tennessee	bb	USA	12	14	32,000	Tennessee	bb	USA	12	14	32,000	Yamato
	Yamato	bb	Japan	9	18	65,000	Yamato	bb	Japan	9	18	65,000	
	name	cla	iss	launche	d		name	cl	ass	launched	_		
	California	_	nnessee	191			California	Te	ennessee	1915			
	Haruna		ngo	191			Haruna	K	ongo	1915			
	Hiei		ngo	191			Hiei	K	ongo	1915			
	Iowa	Iov	_	193			Iowa	Io	wa	1933			
	Kirishima		ngo	191			Kirishima	K	ongo	1915			
	Kongo		ngo	191			Kongo	K	ongo	1913			
	Missouri	Iov		193			Missouri	Io	wa	1935			
	Musashi		mato	194			Musashi	Ya	amato	1942			
	New Jersey	Iov		193			New Jersey		wa	1936			
	North Carolina		rth Carolin				North Carolina	No.	orth Carolina				
	Ramillies		venge	191			Ramillies	R	evenge	1917			
	Renown		nown	191			Renown		enown	1916			
	Repulse		nown	191			Repulse		enown	1916			
	Resolution		venge	191			Resolution		evenge	1916			
	Revenge		venge	191			Revenge	- 1	evenge	1916			
	Royal Oak	- 1	venge	191			Royal Oak		evenge	1916			
	Royal Sovereign		venge	191			Royal Sovereign		evenge	1916			
	Tennessee		nnessee	191			Tennessee		ennessee	1915			
	Washington		rth Carolin				Washington		orth Carolina				
	Wisconsin		va	194			Wisconsin		wa	1940			
	Yamato		mato	194			Yamato	Ya	amato	1941			

Thame displacement, numburs (obattle: Surigo strait (outcomes) M (ships) M (1455es))

Mname, displacement, num Guns

			Classes, S	Ships, Outco	mes				σ battle =	Suriago Strait	t		R=π name, numGuns	displacer	men
Schema	Class, type, count Ship, battle, resu	• •	nGuns, bore	e, displaceme	ent, na	me, class, launched,	Class, type, coun Ship, battle, resu	• •	Guns, bore,	, displacemer	nt, nam	e, class, launched,	Name, disp numGuns	lacemen	t,
Tuple	class	type	country	numGuns	bore	displacement	class	type	country	numGuns	bore	displacement			
	Bismarck	bb	Germany	8	15	42,000	Riemarck	bb	Germany	8	15	42,000	California	32000	12
	Iowa	bb	USA	9	16	46,000	Iowa	bb	USA	9	16	46,000	California	32000	1,
	Kongo	bc	Japan	8	14	32,000	Kongo	bc	Japan	8	14	32,000	New Jersey	46000	9
	North Carolina		USA	9	16	37,000	North Carolin	bb	USA	9	16	37,000	Tennessee	32000	1
	Renown	bc	Britain	6	15	32,000	Renown	bc	Britain	6	15	32,000			
	Revenge	bb	Britain	8	15	29,000	Revenge	bb	Britain	8	15	29,000	Wisconsin	46000	9
	Tennessee	bb	USA	12	14	32,000	Tennessee	bb	USA	12	14	32,000	Yamato	65000	9
	Yamato	bb	Japan	9	18	65,000	Yamato	bb	Japan	9	18	65,000			
	name	ci	ass	launche	d		name	cla		launched					
	California	T	ennessee	191	.5		California	Ter	nnessee	1915	,				
	Haruna		ongo	191			Haruna	Ko	ngo	1915					
	Hiei		ongo	191			Hiei	Ko	nge	1915					
	Iowa		wa	193	3		Iewa	Lov		1933					
	Kirishima	K	ongo	191	.5		Kirishima	Ko	ngo	1915					
	Kongo	K	ongo	191	3		Kongo	- Ko	ngo	1913					
	Missouri	Ic	wa	193	5		Missouri	100	va .	1935					
	Musashi	Y	amato	194	2		Musashi		mato	1942					
	New Jersey	Io	wa	193	6		New Jersey	Iov		1936					
	North Carolin		orth Caroli				Ramillies	200	ren Carolin venge	1011					
	Ramillies	R	evenge	191	7		Renown			1011					
	Renown		enown	191			Repulse	Do		1916					
	Repulse		enown	191			Resolution	-	nown	1910					
	Resolution		evenge	191			Revenge	_	venge venge	1916					
	Revenge		evenge	191			Royal Oak		venge	1916	_				
	Royal Oak		evenge	191			Royal Soveres		- U	1910					
	Royal Soverei	_	evenge	191			Tennessee	_	venge nnessee	1915					
	Tennessee		ennessee	191			Washington		rth Carolin						
	Washington		orth Caroli				Wisconsin	Iov		1940					
	Wisconsin Yamato		wa amato	194 194			Yamato		mato	1941					
							ship	battle	1 -	result					
	ship	battle		result			California	Surigao	_	ok					
	California	_	o Strait	ok			Kirishima	Guadal		ounle					
	Kirishima	Guada		sunk					rk Strait	U Constant					
	Resolution		ark Strait	ok				Guadal		damaged					
	Wisconsin	Guada		damaged			Tennessee	Surigao		ok					
	Tennessee	_	o Strait	ok			Washington	Guadal		ole ole					
	Washington	Guada		ok			New Jersey	Surigao		ok					
	New Jersey	_	o Strait	ok			Yamato	Surigao		sunk					
	Yamato	_	o Strait	sunk			Wisconsin	Surigao		damaged					
	Wisconsin	Suriga	o Strait	damaged			111000110111		2000						

TT name, class, ship ((ships) U (outcomes) U (classes))

Classes ships
outcome
Trans Thane
Thane

	Class, type, countr Ship, battle, result class	•	Guns, bore	, displaceme	nt na	ma alass launahad			<u> </u>	1. 1			Nama		
Tuple	class	•		•	ziic, iia	me, ciass, iaunched,	Ship, battle, result	•	Guns, bore,	displacemer	it, nan	ne, class, launched,	Name		
		type	country	numGuns	bore	displacement	class	type	country	numGuns	bore	displacement			
	Bismarck	bb	Germany	8	15	42,000	Bismarck	bb	Germany	8	15	42,000	California	California	Tennessee
	Iowa	bb	USA	9	16	46,000	Iowa	bb	USA	9	16	46,000	California	California	16111163366
	Kongo	bc	Japan	8	14	32,000	Kongo	bc	Japan	8	14	32,000	Kirishima	Kirishima	Kongo
	North Carolina	bb	USA	9	16	37,000	North Carolina	bb	USA	9	16	37,000	New Jersey	New Jersey	Iowa
	Renown	bc	Britain	6	15	32,000	Renown	bc	Britain	6	15	32,000	,	•	
	Revenge	bb	Britain	8	15	29,000	Revenge	bb bb	Britain	8	15	29,000	Resolution	Resolution	Revenge
	Tennessee	bb	USA	12	14	32,000	Tennessee Yamato	bb	USA Japan	12 9	14 18	32,000 65,000	Tennessee	Tennessee	Tennessee
	Yamato	bb	Japan	9	18	65,000	Tamato	1 00	Japan		10	00,000	Washington	Washington	North Carolina
	name	cle	ass	launche	d		name	cla		launched			Wisconsin	Wisconsin	Iowa
	California	Te	ennessee	191	.5		California		nnessee	1915			Wisconsin	Wisconsin	Iowa
	Haruna	Ke	ongo	191	.5		Haruna Hiei		ngo	1915					
	Hiei	Ke	ongo	191	.5		Iowa	Iov	ngo	1915 1933			Yamato	Yamato	Yamato
	Iowa	Io	wa	193	3		Kirishima		ngo	1933					
	Kirishima	Ke	ongo	191	.5		Kongo		ngo	1913					
	Kongo	Ke	ongo	191			Missouri	Iov	_	1935					
	Missouri		wa	193			Musashi		nato	1942					
	Musashi		amato	194			New Jersey	Iov		1936					
	New Jersey		wa	193			North Carolina		rth Carolin						
	North Carolin		orth Caroli				Ramillies		venge	1917					
	Ramillies		evenge	191			Renown		nown	1916					
	Renown		enown	191			Repulse		nown	1916					
	Repulse		enown	191			Resolution		venge	1916					
	Resolution		evenge	191			Revenge		venge	1916					
	Revenge	- 1	evenge	191			Royal Oak		venge	1916					
	Royal Oak		evenge	191			Royal Sovereig		venge	1916					
	Royal Sovereig	- 1	evenge	191			Tennessee	I	nessee	1915					
	Tennessee		ennessee	191			Washington		rth Carolin						
	Washington	- 1	orth Caroli				Wisconsin	Iov		1940					
	Wisconsin Yamato		wa amato	194 194			Yamato		mato	1941					
		ı		'			shin h	attle	1.	monult					
		battle		result						ok					
		_	Strait	ok				surigao Fuadale		sunk					
		Guadal		sunk						ok					
				ok				Jenmai Juadale							
		Guadal		damaged						damaged ok					
		_		ok				surigao Fuadale		ok ok					
		Guadal		ok			_			ok					
		_	Strait	ok .						sunk					
			Strait	sunk				_		damaged					
	Wisconsin	Surigac	Strait	$_{ m damaged}$			vv isconsiii 5	arigao	Stratt	aamageu					

TCloss

			Clas	ses, Ships					у соц	ınt = 2			R=π class
Schema	Class, type, country	y, num	Guns, bore	, displaceme	nt, na	me, class, launched	Class, type, country	, num	Guns, bore,	displacemer	ıt, nam	ie, class, launched	class
Tuple	class	type	country	numGuns	bore		class	type	country	numGuns	bore	_	North Carolina
Tuple	Bismarck Iowa Kongo North Carolina Renown Revenge Tennessee Yamato name California Haruna Hiei Iowa Kirishima Kongo Missouri Musashi New Jersey North Carolina Ramillies Renown Repulse Resolution Revenge Royal Oak Royal Sovereign	bb bb bc bb bb bb bc bb bb lc late late late late late late late late	Germany USA Japan USA Britain Britain USA Japan USA Ja	numGuns 8 9 8 9 6 8 12 9 12 19 19 19 19 1	bore 15 16 14 16 15 15 14 18 5 5 5 3 5 6 6 6 6 6 6 6 6 6			type bb bb bc bb bb bb bc bb bb ko loa loa loa loa loa loa Rei	country Germany USA Japan USA Britain USA Japan USA Japan SS Incessee Ingo Ingo Ingo Ingo Ingo Ingo Ingo Ingo	numGuns 8 9 9 6 8 12 9	bore 15 16 14 16 15 15 14 18	displacement	
	Tennessee Washington Wisconsin Yamato	No Iov	nnessee orth Carolin wa mato	191 194 194 194	1 0		Washington Wisconsin Yamato	Ion	rth Carolina ra mato	1941 1940 1941	•		

Mountry (Otyle = bb' (Classes)) / Mountry (Otype=be' (classes))

Classess

GHPE='bb'

GHPE='bc'

Trountry

Teountry

			(Classes				(ວ type='bb' .	AND type='b	c'		R=π country
Schema	Class, type, country	, num	Guns, bore	, displaceme	nt		Class, type, country	, num	Guns, bore,	displacemer	nt		country
Tuple	Bismarck Iowa Kongo North Carolina Renown Revenge Tennessee Yamato	bb bc bb bc bb bc bb bb	Germany USA Japan USA Britain Britain USA Japan	8 9 8 9 6 8 12 9		42,000 46,000 32,000 37,000 32,000 29,000 32,000 65,000	Bismarck Iowa Kongo North Carolina Renown Revenge Tennessee Yamato	bb bb bc	Country USA Japan USA Britain Britain USA Japan	numGuns	bore	42,000 46,000 32,000 37,000 32,000 29,000 32,000 65,000	Britain Japan

GUYCOMES

GUYCOMES

GUYCOMES

GAGGEL 1944-10-25 AND date > 1941-05-24

Therips

		Ships, battles,	outcomes	σ result='damaged	l' AND data <= 1944	1-10-25 AND date >= 1941-05-24	R=π name
chema	Name, class, laur	nched, name, data	, ship, battle, result	Name, class, launch	ed, name, data, shi	p, battle, result	name
Tuple	name	class	launched	name	class	launched	Wisconsin
	California	Tennessee	1915	California	Tennessee	1915	VVISCOTISITI
	Haruna	Kongo	1915	Haruna	Kongo	1915	
	Hiei	Kongo	1915	Hiei	Kongo	1915	
	Iowa	Iowa	1933	Iowa	Iowa	1933	
	Kirishima	Kongo	1915	Kirishima	Kongo	1915	
	Kongo	Kongo	1913	Kongo	Kongo	1913	
	Missouri	Iowa	1935	Missouri	Lows	1935	
	Musashi	Yamato	1942	Musashi	Vamato	1942	
	New Jersey	Iowa	1936	New Jersey	Lowa	1936	
	North Caroli	na North Carol	ina 1941	North Carolina	North Carolina	1941	
	Ramillies	Revenge	1917	Ramillies	Revenge	1917	
	Renown	Renown	1916	Renown	Renown	1916	
	Repulse	Renown	1916	Repulse	Renown	1916	
	Resolution	Revenge	1916	Resolution	Revenge	1916	
	Revenge	Revenge	1916	Revenge	Revenge	1916	
	Royal Oak	Revenge	1916	Royal Oak	Revenge	1916	
	Royal Sovere	ign Revenge	1916	Royal Sovereign	Revenge	1916	
	Tennessee	Tennessee	1915	Tennessee	Tennessee	1915	
	Washington	North Carol	ina 1941	Washington	North Carolina	1941	
	Wisconsin	Iowa	1940	Wisconsin	Lowa	1949	
	Yamato	Yamato	1941	Ya mato	Yamato	1941	
	name	date		name	date		
	Denmark Stra	it 05/24/41		Denmark Strait	05/24/41		
	Guadalcanal	11/15/42		Guadaleanal	11/15/42		
	North Cape	12/26/43		North Cape	12/26/43		
	Surigao Strait			Surigao Strait	10/25/44		
	ch in	battle	result	ship ba	ttle re:	sult	
	ship				riggo Strait ok		
	California	Surigao Strait	ok		5.,,	1	
	Kirishima	Guadalcanal	sunk		enmark Strait		
	Resolution Wisconsin	Denmark Strait	ok		OIL OIL		
		Guadalcanal	damaged		uadalcanal da	maged	
	Tennessee Washington	Surigao Strait Guadalcanal	ok ok	Washington	and alasmal als		
			ok	0	riggo Stroit ole	_	
	New Jersey Yamato	Surigao Strait	sunk	rion octocy Do	rigao Strait en	nlr	
		Surigao Strait		141111111111111111111111111111111111111			
	Wisconsin	Surigao Strait	damaged	Wisconsin Su	ırigao Strait da	maged	

Thount ((Classes) My (Count ships) > 2) (Class=class) (Ships) M (name = ships) (result = sunk) (outcomes))

Outcomes

(1 = Sunv

6 result = Sunv

Ships

(16 55 cs
Yeount (ships > 3)

		Cla	sses, Ships	, Outcome	S			y coun	t(ships) >:	1A E =	ND σ result =	= 'sunk'		R=π class ships	s, number of
Schema	Class, type, coun launched, ship, b	•		ore, displac	cemen	t, name, class,	Class, type, cou launched, ship,	•		ore,	displacemer	nt, nam	e, class,	Class, nu	mber of ships
Tuple	class	type	country	numGuns	bore	displacement	class	typ	pe coun	try	numGuns	bore	displacement	17	1
Тартс	Bismarck	bb	Germany	8	15	42,000	- Bismarck	1.1.	Com		0	15		Kongo	1
	Iowa	bb	USA	9	16	46,000	Lowe	b b	TICA	iany	ő	10	40,000		
	Kongo	bc	Japan	8	14	32,000	Kongo	bc	Japan	n	8	14	32,000		
	North Carolina	bb	USA	9	16	37,000	North Caroli		TICA		, o	10	37,000		
	Renown	bc	Britain	6	15	32,000	Renown	bc	Brita		0		00,000		
	Revenge	bb bb	Britain USA	8	15	29,000	P or som one	1.1	Delta		0	15	29,000		
	Tennessee Yamato	bb		12 9	14 18	32,000 65,000	Tennessee	bb		.111	10	10	20,000		
	Tamato	DD	Japan	9	10	05,000	Vamata	bb	Iona		12		32,000		
	name	ı	class	lan	nched			1 00	Joapa			10	1 00,000		
	California	-	Tennessee	100	1915	=	name	1	class		launched				
	Haruna		Kongo		1915		California	-	Tennessee		1915	_			
	Hiei		Kongo		1915		Haruna		Kongo		1915				
	Iowa		Iowa		1933		Hiei		Kongo		1915				
	Kirishima	0			1915		Iowa		owa		1933	_			
	Kongo	Kongo Kongo		ı	1913		Kirishima	1	Kongo		1915				
	Missouri Iowa			1935		Kongo		Kongo		1913					
	Musashi Yamato			1942		Missouri		Iowa		1935					
	New Jersey Iowa			1936		Musashi		ramato		1942	_				
	North Caroli	na	North Car	olina	1941		New Jersey		owa		1936				
	Ramillies		Revenge		1917		North Care	7	Vorth Ca	rolina		_			
	Renown		Renown		1916		Ramillies		Revenge		1917				
	Repulse		Renown		1916		Renown		Cenown		1916				
	Resolution		Revenge		1916		Repulse		Ronown		1916				
	Revenge		Revenge		1916		Resolution		Revenge		1916	•			
	Royal Oak		Revenge		1916		Revenge		kevenge		1916				
	Royal Sovere		Revenge		1916		Royal Oak		Kevenge		1916				
	Tennessee	_	Tennessee		1915		Royal Sover				1910	_			
	Washington		North Car	olina	1941		Tonnocco	r	Tennessee		1915				
	Wisconsin		Iowa		1940		Washington		Vorth Co		1941				
	Yamato	- 1	Yamato		1941		Wisconsin	T i	lowa		1940				
	Talliaco	ı	Tamaco	ı	1011		Vamata		Vamata		1041				
	ship	battle	2	result				1			1				
	California		ao Strait	ok	_		ship	battle		r	esult				
	Kirishima	_	dalcanal	sunk			California	Surie	ao Strait		k				
	Resolution		nark Strait				Kirishima	_	alcanal		unk				
	Wisconsin		dalcanal	damage	d		Resolution	_	iark Strai						
	Tennessee		ao Strait	ok			****		.11						
	Washington	_	dalcanal	ok			Topposes	There are a Charity of		amaged 1					
				ok					0	K L					
	Yamato	New Jersey Surigao Strait Yamato Surigao Strait		sunk			Washington Guadalcanal ok New Jersey Surigao Strait ok								
	Wisconsin	_	-		d		New Jersey	I a . ~	G	- 1	1				
	vv isconsin	Surie	gao Strait	damage	u		ramato	·	ao Strait	١,	ulik				
							WISCOUSIII	Durig	ao strati	l d	amageu				