

1ZL

-- 1ZL EXPLAIN SELECT COUNT(*) FROM milion INNER JOIN geotabela ON (mod(milion.liczba,68)=(geotabela.id_pietro))											
id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	milion		index		liczba_idx	5		997,920	100	Using index
1	SIMPLE	geotabela		eq_ref	id_pietro_idx	id_pietro_idx	4	func	1	100	Using where; Using index

2ZL

-- 2ZL EXPLAIN SELECT COUNT(*) FROM milion INNER JOIN geopietro ON (mod(milion.liczba,68)=geopietro.id_pietro) NATURAL JOIN geoepoka NATURAL JOIN geookres NATURAL JOIN geoera NATURAL JOIN geoeon											
id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	geoeon		index	PRIMARY,id_eon_idx	id_eon_idx	4		1	100	Using index
1	SIMPLE	milion		index		liczba_idx	5		997,920	100	Using index; Using join buffer (hash join)
1	SIMPLE	geopietro		eq_ref	PRIMARY,id_pietroG_idx,id_epoka	PRIMARY	4	func	1	100	Using where
1	SIMPLE	geoepoka		eq_ref	PRIMARY,id_epoka_idx,id_okres	PRIMARY	4	geomysql.geopietro.id_epoka	1	100	Using where
1	SIMPLE	geookres		eq_ref	PRIMARY,id_okres_idx,id_era	PRIMARY	4	geomysql.geoepoka.id_okres	1	100	Using where
1	SIMPLE	geoera		eq_ref	PRIMARY,id_era_idx,id_eon	PRIMARY	4	geomysql.geookres.id_era	1	100	Using where

3ZG

-- 3ZG EXPLAIN SELECT COUNT(*) FROM milion WHERE mod(milion.liczba,68)= (SELECT id_pietro FROM geotabela WHERE mod(milion.liczba,68)=(id_pietro))											
id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	PRIMARY	milion		index		liczba_idx	5		997,920	100	Using where; Using index
2	DEPENDENT SUBQUERY	geotabela		eq_ref	id_pietro_idx	id_pietro_idx	4	func	1	100	Using where; Using index

4ZG

EXPLAIN SELECT COUNT(*) FROM milion WHERE mod(milion.liczba,68) IN (SELECT geopietro.id_pietro FROM geopietro NATURAL JOIN geoepoka NATURAL JOIN geookres NATURAL JOIN geoera NATURAL JOIN geoeon)											
id	select_type	table	partitions	type	possible_keys	key	key_len	ref	rows	filtered	Extra
1	SIMPLE	geoeon		index	PRIMARY,id_eon_idx	id_eon_idx	4		1	100	Using index
1	SIMPLE	milion		index		liczba_idx	5		997,920	100	Using index; Using join buffer (hash join)
1	SIMPLE	geopietro		eq_ref	PRIMARY,id_pietroG_idx,id_epoka	PRIMARY	4	func	1	100	Using where
1	SIMPLE	geoepoka		eq_ref	PRIMARY,id_epoka_idx,id_okres	PRIMARY	4	geomysql.geopietro.id_epoka	1	100	Using where
1	SIMPLE	geookres		eq_ref	PRIMARY,id_okres_idx,id_era	PRIMARY	4	geomysql.geoepoka.id_okres	1	100	Using where
1	SIMPLE	geoera		eq_ref	PRIMARY,id_era_idx,id_eon	PRIMARY	4	geomysql.geookres.id_era	1	100	Using where