Sum is not even	6	2	Neither is odd	4	5
At least one is not even	6	2	Sum is even	2	3
At least one is not odd	5	1	Neither is even	2	3
Sum is not odd	5	1	At least one is odd	6	2
Both are odd	6	2	Both are odd	5	1
Difference is odd	6	2	At least one is odd	5	1
Both are even	4	5	Difference is even	5	1
Difference is not even	6	2	Sum is not odd	4	5
Difference is not even	4	5	Sum is odd	6	2
Neither is odd	5	1	Both are even	5	1
Neither is even	6	2	Difference is even	4	5
Both are even	2	3	Sum is not even	5	1
Neither is even	4	5	At least one is not odd	4	5
Both are odd	2	3	Sum is even	6	2
Difference is odd	2	3	Difference is not odd	5	1
Difference is not odd	6	2	At least one is not odd	6	2
Both are even	6	2	At least one is not even	4	5
Difference is even	6	2	Sum is not even	4	5
At least one is even	6	2	At least one is even	2	3
Sum is even	5	1	Sum is not even	2	3
At least one is not even	2	3	Difference is not odd	4	5
Neither is even	5	1	Difference is odd	5	1
At least one is not odd	2	3	Difference is not odd	2	3
Difference is not even	5	1	Sum is odd	5	1
Sum is even	4	5	Sum is not odd	2	3
Sum is not odd	6	2	At least one is even	5	1
Sum is odd	4	5	Difference is even	2	3
Difference is not even	2	3	Neither is odd	2	3
Difference is odd	4	5	Neither is odd	6	2
Sum is odd	2	3	At least one is odd	2	3
At least one is odd	4	5	At least one is even	4	5
Both are odd	4	5	At least one is not even	5	1