

Ficha de Exercícios Nº 7

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PARTE I

1)

```
MATCH (c0:Customer)-->(:Product)<--(c1:Customer) return c0,c1
```

2)

```
MATCH (c0:Customer)-->(:Product)<--(c1:Customer)
```

```
MATCH (freeP:Product)
```

```
WHERE (NOT ((c0)-->(freeP))) AND (c1)-->(freeP)
```

```
return freeP;
```

PARTE II

1)

```
MATCH (p:Person)-[:ACTED_IN]->(:Movie{title:"The Matrix"})
```

```
RETURN p
```

2)

```
MATCH (p:Person{name:"Tom Hanks"})-[:ACTED_IN]->(m:Movie)
```

```
RETURN m,p
```

3)

```
MATCH (p:Person{name:"Tom Hanks"})-[:ACTED_IN]->(m:Movie)
```

```
WHERE m.released >= 2000
```

```
RETURN m,p
```

4)

```
MATCH (p:Person)-[:ACTED_IN]->(m:Movie)<-[:DIRECTED]-(p)
```

```
RETURN p,m
```

5)

```
MATCH (m:Movie)<-[:role:ACTED_IN {roles:["Neo"]}]-(:Person {name:"Keanu Reeves"})
```

```
RETURN m
```

6)

```
MATCH (:Person)-[:ACTED_IN]->(:Movie)<-[:DIRECTED]-(p1:Person)
```

```
RETURN Collect(p1.name )
```

7)

```
MATCH(p:Person)-[:ACTED_IN]->(m:Movie) with p, count(m) as numMovies
```

```
RETURN p.name, numMovies
```

8)

```
MATCH (actor:Person)-[:ACTED_IN]->(m:Movie)<-[:DIRECTED]-(director:Person)
```

```
WITH actor, director, count(m) as c
```

RETURN actor.name, director.name, c;

9)

MATCH (p:Person)-[r:ACTED_IN]->(m:Movie) with p, count(m) as numMovies

RETURN p.name, numMovies ORDER BY numMovies DESC limit 5