1. Given F = {a🡪b, b🡪c c🡪 {de}. What is the closure of b
2. Given R(a,b,c,d,e,f). Given the following functional dependency:

F = { ab🡪 cdef, c 🡪 abdef}.

Identify the L M R, candidate keys, prime/non prime and normal form using the table below

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **L** | **M** | **R** |  | **Candidate Keys** |  | **prime** | **Non prime** |  | **Normal Form** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. Given R(a,b,c,d,e,f). Given the following functional dependency:

F = { ab🡪cdef c 🡪abdef e🡪 a}.

Identify the L M R, candidate keys, prime/non prime and normal form using the table below

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **L** | **M** | **R** |  | **Candidate Keys** |  | **prime** | **Non prime** |  | **Normal Form** |
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1. Given R(a,b,c,d,e,f,g). Given the following functional dependency:

F = { ab 🡪 {cdeg, c 🡪 abdef, d🡪 b}

Identify the L M R, candidate keys, prime/non prime and normal form using the table below

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **L** | **M** | **R** |  | **Candidate Keys** |  | **prime** | **Non prime** |  | **Normal Form** |
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