**Matrice des dépendances fonctionnelles**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 1 | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | X |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | X |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | X |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | X |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  | X |  |  |  |  |  | X |  |  |  |  |  |  | X |  |  |  | X | X |
| 8 |  |  |  |  |  |  | X | X |  |  |  |  | X |  |  |  |  |  |  | X |  |  |  | X | X |
| 9 |  |  |  |  |  |  | X |  | X |  |  |  | X |  |  |  |  |  |  | X |  |  |  | X | X |
| 10 |  |  |  |  |  |  | X |  |  | X |  |  | X |  |  |  |  |  |  | X |  |  |  | X | X |
| 11 |  |  |  |  |  |  | X |  |  |  | X |  | X |  |  |  |  |  |  | X |  |  |  | X | X |
| 12 |  |  |  |  |  |  | X |  |  |  |  | X | X |  |  |  |  |  |  | X |  |  |  | X | X |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |  | X |  |  |  | X |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  |  |  |  |  | X |  |  |  | X |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  | X |  | X |  |  |  |  | X |  |  |  | X |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | X |  |  |  | X |  |  |  | X |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  | X |  |  | X |  |  |  | X |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  | X |  | X |  |  |  | X |  |
| 19 |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  | X |  |
| 20 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |
| 21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X |  |  |  |  |
| 22 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  | X |  |  |  |
| 23 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  | X |  |  |
| 24 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |  |
| 25 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 7 | 13 | 20 | 24 | 25 |
| 1 | X |  |  |  |  |  |
| 2 | X |  |  |  |  |  |
| 3 | X |  |  |  |  |  |
| 4 | X |  |  |  |  |  |
| 5 | X |  |  |  |  |  |
| 6 | X |  |  |  |  |  |
| 7 |  | X | X | X | X | X |
| 8 |  | X | X | X | X | X |
| 9 |  | X | X | X | X | X |
| 10 |  | X | X | X | X | X |
| 11 |  | X | X | X | X | X |
| 12 |  | X | X | X | X | X |
| 13 |  |  | X | X | X |  |
| 14 |  |  | X | X | X |  |
| 15 |  |  | X | X | X |  |
| 16 |  |  | X | X | X |  |
| 17 |  |  | X | X | X |  |
| 18 |  |  | X | X | X |  |
| 19 |  |  | X | X | X |  |
| 20 |  |  |  | X |  |  |
| 21 |  |  |  | X |  |  |
| 22 |  |  |  | X |  |  |
| 23 |  |  |  | X |  |  |
| 24 |  |  |  |  | X |  |
| 25 |  |  |  |  | X | X |