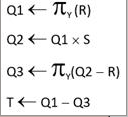
Câu 12; Với mỗi nhân viên, hãy cho biết thông tin của phòng

ban mà họ đang làm việc

• Quan hệ: NHANVIEN, PHONGBAN

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R | **A** | **B** | **C** | **D** | **E** |  | S | **D** | **E** |
|  | α | a | α | a | 1 |  |  | a | 1 |
|  | α | a | γ | a | 1 |  |  | b | 1 |
|  | α | a | γ | b | 1 |  |  |  |  |
|  | β | a | γ | a | 1 |  |  |  |  |
|  | β | a | γ | b | 3 |  |  |  |  |
|  | γ | a | γ | a | 1 |  |  |  |  |
|  | γ | a | γ | b | 1 |  |  |  |  |
|  | γ | a | β | b | 1 |  |  |  |  |



Q1 ← π γ ( R )

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **C** |
| α | a | α |
| α | a | γ |
| α | a | γ |
| β | a | γ |
| β | a | γ |
| γ | a | γ |
| γ | a | γ |
| γ | a | β |

Q2 ← Q1 x S

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A** | **B** | **C** | **D** | **E** |
| α | a | α | a | 1 |
| α | a | α | b | 1 |
| α | a | γ | a | 1 |
| α | a | γ | b | 1 |
| α | a | γ | a | 1 |
| α | a | γ | b | 1 |
| β | a | γ | a | 1 |
| β | a | γ | b | 1 |
| β | a | γ | a | 1 |
| β | a | γ | b | 1 |
| γ | a | γ | a | 1 |
| γ | a | γ | b | 1 |
| γ | a | γ | a | 1 |
| γ | a | γ | b | 1 |
| γ | a | β | a | 1 |
| γ | a | β | b | 1 |

Q3 ← π γ ( Q2-R )

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **C** |
| α | a | α |
| β | a | γ |
| γ | a | β |

T1 ← (Q1 – Q3)

|  |  |  |
| --- | --- | --- |
| **A** | **B** | **C** |
| α | a | γ |
| γ | a | γ |