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| **CIUDAD** | |  | **Sucur\_ubic** | |  | **SUCURSAL** | | | | | |
| Cod.  postal | Nombre |  |  |  |  | Nro.  sucursal | Cod.  postal | Nombre | Dirección | Teléfono | Horario |

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| **Trabaja en** | |  | **EMPLEADO** | | | | | | | | | |
|  |  |  | Nro.  sucursal | Legajo | Apellido | Nombre | Tipo  doc. | Nro.  Doc. | Dirección | Password | Teléfono | Cargo |

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| **Préstamo\_**  **Cliente** | |  | **PRÉSTAMO** | | | | | | | | |  | **PAGO** | | | |
| **¿Tiene**  **llaves?** |  |  | Nro.  cliente | Legajo  (Empleado) | Nro.  préstamo | Tasa  interés | Cant.  meses | Fecha | Monto | Valor  Cuota | Interés |  | Nro.  préstamo | Nro.  pago | Fecha  pago | Fecha  venc. |

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| **CLIENTE** | | | | | | | |  | **Tarjeta\_Cl** | | |
| Nro.  cliente | Apellido | Nombre | Tipo  doc. | Nro  Doc. | Dirección | Fecha  Nac. | Teléfono |  | Nro.  Tarjeta | Nro.  Cliente | Nro.  ca. |

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| **TARJETA** | | | |  |  | **Cliente\_CA** | |  | **CAJA DE AHORRO** | | |
| Nro.  tarjeta | PIN | CVT | Fecha  venc. | **Recibe**  **Más llaves**  **Por ser**  **uno a uno?** |  | Nro.  cliente | Nro.  ca. |  | Nro.  ca. | CBU | Saldo |

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| **Plazo\_Suc** | |  | **PLAZO FIJO** | | | | | | |  | **Plazo\_Cliente** | |
|  |  |  | Nro.  sucursal | Nro.  plazo | Fecha  inicio | Fecha  fin | Capital | Tasa  interés | Interés |  | Nro.  cliente | Nro.  plazo |

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| **ATM\_ubic** | |  | **ATM** | | |  | **Sucur\_vent** | | |  | **VENTANILLA** | |
|  |  |  | Cod.  postal | Dirección | Cód.  Caja  **¿?** |  |  |  |  |  | Nro.  sucursal | Cód.  Caja  **¿?** |

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| **CAJA** |  | **TRANSACCIÓN\_POR\_CAJA** | | | | |  | **TRANSACCIÓN** | | | |
| Cód.  Caja  **¿?** |  | Cód.  Caja | Nro.  Transacción | Fecha | Hora | Monto |  | Nro.  Transacción | Fecha | Hora | Monto |

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| **DÉBITO** | | | | |  | **Debit\_Cl** | | |  | **TRANSACCIÓN** | | | |
| Descripción | Nro.  Transacción | Fecha | Hora | Monto |  | Nro.  Tarjeta | Nro.  Cliente | Nro.  ca. |  | Nro.  Transacción | Fecha | Hora | Monto |

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| **DEPÓSITO** | | | | |  | **EXTRACCIÓN** | | | |
| Nro.  ca. | Nro.  Transacción | Fecha | Hora | Monto |  | Nro.  Transacción | Fecha | Hora | Monto |

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| **TRANSFERENCIA** | | | | |
| Nro.  ca. | Nro.  Transacción | Fecha | Hora | Monto |

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| **Depos\_Cl** | | | |  | **Extrac\_Cl** | | |  | **Transf\_Cl** | | |
| Nro.  Transacción | Fecha | Hora | Monto |  | Nro.  Tarjeta | Nro.  Cliente | Nro.  ca. |  | Nro.  Tarjeta | Nro.  Cliente | Nro.  ca. |

¿Cómo modelar el circuito completo desde Transacción hasta la agregación?

¿Cómo modelar las entidades independientes (Tasa\_Plazo\_Fijo y Tasa\_Préstamo)?

¿Cómo modelar los atributos derivados?

¿En el caso de Débito y de Tarjeta, cómo manejar la multiplicidad 1 con una agregación?

¿Cómo manejar la transferencia vinculada a la agregación y a la Caja de ahorro?