ISU

INSUMOS Y SOPORTE AL USUARIO

S.I.G.A.T.

BASE DE DATOS II

I.S.U.

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1. Introducción:

El grupo de proyecto integrado por Camila Galván, Giuliana Esquibel, Sebastián Estévez e Ian Cerpa de la clase 3ºBB del turno matutino del Instituto Tecnológico de Informática (ITI), se le ha solicitado un proyecto de **S.I.G.A.T.** que busca confeccionar un sistema informático que contribuya el facilitar la gestión y administración del control de la producción láctea.

La empresa **I.S.U.** (**I**nsumos y **S**oporte al **U**suario) esta conformada por las personas previamente mencionadas y sera la encargada de poner en marcha dicho proyecto.

Como anteriormente mencionado el proyecto **S.I.G.A.T.** busca confeccionar un sistema informático. El objetivo de este es el facilitar la gestión y administración del control de la producción láctea, a través de este el cliente va a tener la opción de acceder a información almacenada sobre sistema; sobre el tambo y los animales que integran éste. Ademas de consultar, el cliente puede ingresar, modificar y eliminar datos del sistema y/o tambo.

El programa abarca datos del animal como el numero de caravana, el sexo (macho, hembra), la división (anestro, toro, novillo, vaca, vaquillona), la fecha de nacimiento; en el caso de que sea vaca se controlara si está: lactando, seca, en servicio o preñada, y también se controlara la cantidad de leche que produce, el recuento bacteriano, y el recuento de células somáticas y de urea. En caso de que este tomando antibiótico influyente en la producción láctea también se tomara en cuenta en el programa. Del tambo se guardan datos como la serie que lo identifica, la cantidad de ordeñes, la cantidad de hectáreas, la cantidad de ganado, la cantidad de vacas en ordeñe, el indice de

preñez, la producción anual y diaria.

Dependiendo del usuario que ingrese, el sistema otorgara acceso a distintas funciones y partes del sistema, a continuación se detallaran estos en un orden de jerarquía:

Auxiliar: este tipo de usuario solo tiene permiso de ingreso y consulta de información.

Administradores del establecimiento: este puede acceder a los datos de su establecimiento pudiendo así consultar indicadores y datos de los animales teniendo la posibilidad de ingresar información.

Gerente administrador: este cuenta con la opción de gestionar o administrar varios establecimientos. Posee la alternativa, si lo desea, de consultar productividad de establecimiento, la totalidad de los animales discriminados de todos los establecimientos y de cada uno por separado. También accede a indicadores generales de todos lo establecimientos, cálculos de costos totales y por establecimiento.

Hay otro usuario denominado **Administrador del sistema** este es el que se encarga de todo lo relacionado con dicho sistema: Actualizar software; acceso a la base de datos; monitoreo de redes; alta, baja, modificación y consulta de usuarios; entre otros.

1.2 Desarrollo del proyecto:

Se busco desarrollar un modelo entidad-relación para modelar los datos que se consideran necesarios para lograr cumplir los algoritmos que necesita el programa. Eso incluye el diagrama entidad relación, el pasaje a tabla en tercera forma normal y el diccionario de datos.

Como se verá a continuación se necesitarían datos del tambo; del personal y el cargo que tendrán (los permisos); los animales vacunos tanto hembra como macho, si bien de la hembra se guardan más datos. También se incluyen las restricciones no estructurales del diagrama realizado.

2. MER

2.1 DER

2.2 RNE

- La relación **"Retorna"** se refiere a cuando la cría fue macho, mientras que la relación **"Vuelve"** se refiere a cuando la cría fue hembra.

- Para saber si la **hembra** es **vaquillona** hay que fijarse que no haya ningún estado que sea lactando o que haya pasado por el estado de parición.

- Para saber si la **hembra** es **vaca** tiene que estar lactando o haber estado preñada y haber parido.

- Para saber si el **macho** es **novillo** el atributo **"Castrado"** debería ser *uno*, de ser *cero* el atributo "Castrado" y de tener una edad mayor o igual a uno éste pasaría a ser toro.

- El **tanque** solo almacena **tipo de leche** *comerciable.*

- Los siguiente atributos se consideran binarios:
  - Activo *(Animal)*
  - Castrado *(Macho)*
  - Activo *(Persona)*

- Los cargos que se pueden asignar al personal son:
  - Auxiliar
  - Administrador del establecimiento
  - Gerente administrador
  - Administrador del sistema

2.3 Pasaje a tabla

Entidades:

Alimento (<u>Num</u>, Tipo)

Tambo (<u>Serie</u>, Establecimiento, Hectareas, Cantidad_maxima_ganado)

Animal (<u>Numero</u>, Raza, Lugar, Progenitor_macho, Progenitor_hembra, Nacimiento, Activo)

Hembra (<u>Numero</u>)

Macho (<u>Numero</u>, Castrado)

Cria (<u>Numero_cria</u>, Sexo, Numero_hembra, Numero_macho, Fecha)

Persona (<u>CI</u>, Nacimiento, Cargo, Nombre, Sexo, Login, Activo)

PersonaTel (<u>CI</u>, <u>Telefono</u>)

Campo_de_recria (<u>Num</u>)

Leche (<u>Tipo</u>)

Estado (<u>Num</u>, Nombre)

Cooperativa (<u>Serie</u>)

Tanque (<u>Num_serie</u>, Capacidad)

Lote(<u>Num</u>)

Parametros (<u>Numero_ordeñe</u>, Hora_inicio, Hora_fin)

Relaciones:

Proporciona (<u>Num</u>, <u>Serie</u>, <u>Fecha</u>, Cantidad)

Tiene (<u>Serie</u>, <u>CI</u>)

Hay (<u>Numero</u>, Serie)

Se_da (<u>Num_alimento</u>, <u>Numero_caravana</u>, <u>Fecha</u>, <u>Hora</u>, Cantidad)

Retira (<u>Serie_cooperativa</u>, <u>Fecha</u>, <u>Serie_tanque</u>, Cantidad)

Produce (<u>Tipo</u>, <u>Numero_caravana</u>, <u>Fecha</u>, <u>Hora</u>, <u>Num_lote</u>, Cantidad, Recuento_bacteriano, Grasa, Proteina, Celulas_somaticas, Urea)

Evento (<u>Numero_hembra</u>, <u>Numero_macho</u>, <u>Fecha</u>)

Va (<u>Numero_caravana</u>, Num_campo_recria, Fecha_ida)

Retorna (<u>Numero_animal</u>, Num_campo_recria, Fecha_vuelta)

Vuelve (<u>Numero_vaca</u>, Num_campo_recria, Fecha_vuelta)
Almacena (<u>Num_serie</u>, <u>Tipo</u>, Fecha, Cantidad)
Pasa (<u>Numero_vaca</u>, <u>Num_estado</u>, Fecha_inicio, Fecha_fin)
Controla (<u>Numero_animal</u>, <u>CI</u>, <u>Fecha</u>, Peso, Vacunas)
Supervisa (<u>CI</u>, <u>Numero_ordeñe</u>)
Posee (<u>Num_tanque</u>, <u>Serie_tambo</u>)

2.4 Diccionario de datos

Nombre entidad: Alimento							
Objetivo: Almacenar información del alimento del ganado							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num	Serial		X	No	No		Número de descripción
Tipo	Varchar	50		No	No		Tipo de alimento

Nombre entidad: Almacena							
Objetivo: Almacenar información del alimento almacenado en el tanque							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Fecha	Date		X	No	No		Fecha de almacena-miento
Num_serie	Integer		X	No	No	Tanque: num_serie	Número serie del tanque
Tipo	Char	20	X	No	No	Leche: Tipo	Tipo de leche
Cantidad	Decimal			No	No		Cantidad de alimento que se almacena
Hora	Datetime (de hora a minuto)		X	No	No		Hora y minuto en la que se almacena

Nombre entidad: Animal							
Objetivo: Almacenar información de los animales							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Numero	Integer		X	No	No		Número de trazabilidad
Raza	Char	20		No	No		Raza del animal
Lugar	Integer			No	No		Lugar en el que se encuentra el animal
Activo	Smallint			No	No		Nos dice si esta activo (1) o no activo (0)
Nacimiento	Date			No	No		Fecha de nacimiento del animal
Progenitor hembra	Integer			Si	No		Número de caravana del progenitor hembra
Progenitor macho	Integer			Si	No		Número de caravana del progenitor macho

Nombre entidad: Campo_de_recria							
Objetivo: Almacenar información sobre el campo de recriá							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num_camp_re	Integer		X	No	No		Número identificador del campo de recriá

Nombre entidad: Controla							
Objetivo: Almacenar información del control del personal sobre los animales							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num_animal	Integer		X	No	No	Animal: Numero	Número de trazabilidad
CI_personal	Integer		X	No	No	Persona: CI	Número único identificador del personal
Fecha	Date		X	No	No		Fecha en la que se realiza el control
Peso	Decimal			No	No		Peso del animal
Vacuna	Varchar	100		No	No		Vacunas del animal

Nombre entidad: Cooperativa							
Objetivo: Almacenar información sobre la cooperativa							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Serie	Serial		X	No	No		Número de identificador de la cooperativa

Nombre entidad: Cria							
Objetivo: Almacenar información de las criás							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Numero_cria	Integer		X	No	No		Número de trazabilidad de la criá
Fecha	Date			No	No	Evento: Fecha	Fecha evento
Numero_vaca	Integer			No	No	Evento: id_hembra	Número de trazabilidad de la vaca
Numero_macho	Integer			No	No	Evento: id_macho	Número de trazabilidad del toro
Sexo	Char	6		No	No		El sexo de la criá

Nombre entidad: Estado							
Objetivo: Almacenar información de los estados de las vacas							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num	Integer		X	No	No		Número identificador del estado
Nombre	Varchar	50		No	No		Nombre del estado de la vaca

Nombre entidad: Evento							
Objetivo: Almacenar información sobre el acto "evento"							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
id_macho	Integer		X	No	No	Macho: id_macho	Número de trazabilidad del macho
id_hembra	Integer		X	No	No	Hembra: id_hembra	Nombre de trazabilidad de la hembra
Fecha	Date		X	No	No		Fecha del evento

Nombre entidad: Hay
Objetivo: Almacenar información sobre que animales pertenecen a que tambo

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Numero_animal	Integer		X	No	No	Animal: Numero	Número de trazabilidad
Serie_tambo	Integer			No	No	Tambo: Serie	Número identificador del tambo

Nombre entidad: Hembra
Objetivo: Almacenar información de los animales hembra

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
id_hembra	Integer		X	No	No	Animal: Numero	Número de trazabilidad de la hembra

Nombre entidad: Leche
Objetivo: Almacenar información de la leche producida

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Tipo	Char	20	X	No	No		Tipo de leche

Nombre entidad: Macho Objetivo: Almacenar información de los animales macho							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
id_macho	Integer		X	No	No	Animal: Numero	Número de trazabilidad del macho
Castrado	Integer			No	No		Almacena si esta castrado (1) o no (0)

Nombre entidad: Parametros Objetivo: Almacenar información sobre el primer, segundo y tercer ordeñe							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Numero_ordenie	Integer		X	No	No		Número que identifica que ordeñe es (primero, segundo o tercero)
Hora_inicio	Datetime (de hora a minuto)			No	No		Hora en la que comienza el ordeñe marcado en el atributo clave
Hora_fin	Datetime (de hora a minuto)			No	No		Hora en la que finaliza el ordeñe marcado en el atributo clave

Nombre entidad: Pasa							
Objetivo: Almacenar información del pasaje de una hembra a un estado							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
id_hembra	Integer		X	No	No	Hembra: id_hembra	Número de trazabilidad de la hembra
Num_estado	Integer		X	No	No	Estado: Num	Número identificador del estado
Fecha_inicio	Date			No	No		Fecha de inicio del estado
Fecha_fin	Date			No	No		Fecha de finalización del estado

Nombre entidad: PersonaTel							
Objetivo: Almacenar información de los números de teléfono del personal							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
CI	Integer		X	No	No	Persona: CI	Identificador único de la persona (cédula de identidad)
Teléfono	Integer		X	No	No		Número de teléfono de la persona

Nombre entidad: Persona							
Objetivo: Almacenar información del personal del tambo							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
CI	Integer		X	No	No		Identificador único de la persona (cédula de identidad)
Nacimiento	Date			No	No		Fecha de nacimiento de la persona
Cargo	Varchar	50		No	No		Cargo que ocupa la persona
Nombre	Varchar	50		No	No		Nombre de la persona
Sexo	Varchar	50		No	No		Sexo de la persona
Login	Varchar	30		No	No		Login de usuario de la persona
Activo	Smallint			No	No		Define si este esta activo (1) o no activo (0)

Nombre entidad: Posee							
Objetivo: Almacenar información sobre cuál tanque pertenece a qué tambo							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Serie_tambo	Integer			No	No	Tambo: Serie	Número identificador del tambo
Serie_tanque	Integer		X	No	No	Tanque: num_serie	Número identificador del tanque

Nombre entidad: Produce							
Objetivo: Almacenar información sobre la producción de leche							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Fecha_produce	Date		X	No	No		Fecha en la que se lleva a cabo la producción
Hora_ordenie	Datetime (de hora a minuto)		X	No	No		Hora y minuto en la que se lleva a cabo la producción
Tipo_leche	Char	20	X	No	No	Leche: Tipo	Tipo de leche producido
Num_lote	Integer		X	No	No	Lote: Num	Número del lote
Cantidad	Decimal			No	No		Cantidad de leche producida
Recuento_ bacteriano	Integer			No	No		Valor de recuento bacteriano en la leche

							producida
Grasa	Decimal			No	No		Valor de porcentaje de la grasa en la leche producida
Proteina	Integer			No	No		Valor de proteína en la leche producida
Celulas_ somaticas	Integer			No	No		Valor de células somáticas en la leche producida
Urea	Integer			No	No		Valor de urea en la leche producida
id_hembra	Integer		X	No	No	Hembra: id_hembra	Número de trazabilidad de la hembra

Nombre entidad: Lote
Objetivo: Almacenar información sobre la producción de leche

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num	Integer		X	No	No		Fecha en la que se lleva a cabo la producción

Nombre entidad: Proporciona							
Objetivo: Almacenar información del alimento proporcionado							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num	Integer		X	No	No	Alimento: Num	Número de descripción del alimento
Serie	Integer		X	No	No	Tambo: Serie	Número identificador del tambo
Cantidad	Integer			No	No		Cantidad de alimento proporcionado
Fecha	Date		X	No	No		Fecha en la que el tambo proporciona alimento

Nombre entidad: Retira							
Objetivo: Almacenar información del retiro de leche del tanque							
Metadatos:							
Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Fecha_retira	Date		X	No	No		Fecha en la que la cooperativa

						retira
Cantidad	Decimal			No	No		Cantidad de leche que se retira
Serie_coop	Integer		X	No	No	Cooperativa: Serie	Número de serie de la cooperativa
Num_tanque	Integer		X	No	No	Tanque: Num_serie	Númerodel tanque

Nombre entidad: Retorna
Objetivo: Almacenar información de la criá macho que vuelve

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Numero_animal	Integer		X	No	No	Animal: Número	Número de trazabilidad del animal
Fecha_vuelta	Date			No	No		Fecha de retorno de la criá
Num_camp_re	Integer			No	No	Campo_de_recriá: Num_camp_re	Número identificador del campo de recriá

Nombre entidad: Se_da
Objetivo: Almacenar información sobre el alimento que se da a los animales

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num_alimento	Integer		X	No	No	Alimento: Num	Numero de identificación del alimento
Num_animal	Integer		X	No	No	Animal: Número	Número de trazabilidad del animal

Cantidad	Integer			No	No		Cantidad de alimento que se da
Fecha	Date		X	No	No		Fecha en la que se da el alimento
Hora	Datetime (hora a minuto)		X	No	No		Hora en la que se da el alimento

Nombre entidad: Supervisa
Objetivo: Almacenar información sobre el personal supervisando el ordeñe

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
CI	Integer		X	No	No	Persona: CI	Número identificador único del personal
Num_ordenie	Integer		X	No	No	Ordenie: Numero_ordenie	Número que define que ordeñe es (primero, segundo o tercero)

Nombre entidad: Tambo
Objetivo: Almacenar información del tambo

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Serie	Serial		X	No	No		Número identificador del tambo
Establecimiento	Varchar	50		No	No		Nombre del establecimiento

Hectareas	Integer			No	No		Cantidad de hectáreas que tiene el tambo
Ganado_max	Integer			No	No		Cantidad máxima de ganado que el tambo puede tener

Nombre entidad: Tanque
Objetivo: Almacenar información sobre el tanque que almacena la leche

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Num_serie	Serial		X	No	No		Número identificador del tanque
Capacidad	Decimal			No	No		Capacidad máxima del tanque (litros)

Nombre entidad: Tiene
Objetivo: Almacenar información sobre que personal tiene un tambo

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
CI	Integer		X	No	No	Persona: CI	Identificador único de personal
Serie	Integer		X	No	No	Tambo: Serie	Número identificador del tambo

Nombre entidad: Va
Objetivo: Almacenar información sobre la criá que va al campo de recriá

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
Número_cria	Integer		X	No	No	Cria: Número_cria	Número de trazabilidad de la criá
Num_camp_re	Integer			No	No	Campo_de_recria: Num_camp_re	Número identificador del campo de recriá
Fecha	Date			No	No		La fecha en la que la criá va al campo de recriá

Nombre entidad: Vuelve
Objetivo: Almacenar información sobre la vuelta de la criá como vaquillona

Metadatos:

Nombre atributo	Tipo de dato	Largo	Clave primaria	Nulo	Valor default	Foreign Key	Descripción de contenido
id_hembra	Integer		X	No	No	Hembra: id_hembra	Numero de descripción
Num_camp_re	Integer			No	No	Campo_de_recria: Num_camp_re	Número identificador del campo de

						recriá
Fecha_vuelta	Date			No	No	Fecha de vuelta de la criá como vaquillona al tambo

3. Implementación física

A continuación se encuentra el resultado del comando "dbexport" realizado sobre la base de datos ISU de Informix. En ella se encuentra la creación de la base de datos y los permisos que se dieron a las tablas de esta:

{ DATABASE isu delimiter | }

grant dba to "developer";
grant dba to "sestevez";
grant dba to "gesquibel";
grant dba to "cgalvan";
{ TABLE "cgalvan".cooperativa row size = 4 number of columns = 1 index size = 9 }
{ unload file name = coope00100.unl number of rows = 0 }

create table "cgalvan".cooperativa
  (
    serie serial not null
  );

revoke all on "cgalvan".cooperativa from "public" as "cgalvan";

{ TABLE "cgalvan".retira row size = 22 number of columns = 4 index size = 35 }

{ unload file name = retir00101.unl number of rows = 0 }

create table "cgalvan".retira
  (
    fecha_retira date not null ,
    cantidad decimal(16) not null ,
    serie_coop integer not null ,
    num_tanque integer not null ,
    primary key (fecha_retira,serie_coop,num_tanque) constraint "cgalvan".retira
  );

revoke all on "cgalvan".retira from "public" as "cgalvan";

{ TABLE "sestevez".animal row size = 42 number of columns = 7 index size =
9 }

{ unload file name = anima00103.unl number of rows = 2 }

create table "sestevez".animal
  (
    numero integer not null ,
    raza char(20) not null ,
    lugar integer not null ,
    activo smallint not null ,
    nacimiento date not null ,
    progenitor_hembra integer,

```
    progenitor_macho integer,
    primary key (numero)  constraint "sestevez".numero
  );


revoke all on "sestevez".animal from "public" as "sestevez";


{ TABLE "cgalvan".almacena row size = 41 number of columns = 5 index size =
70 }
{ unload file name = almac00104.unl number of rows = 0 }


create table "cgalvan".almacena
  (
    fecha date not null ,
    num_serie integer not null ,
    tipo char(20) not null ,
    cantidad decimal(16) not null ,
    hora datetime hour to minute not null ,
    primary key (tipo,num_serie,fecha,hora)  constraint "sestevez".almacena_pk
  );


revoke all on "cgalvan".almacena from "public" as "cgalvan";


{ TABLE "cgalvan".leche row size = 20 number of columns = 1 index size = 25 }
{ unload file name = leche00105.unl number of rows = 0 }


create table "cgalvan".leche
  (
    tipo char(20) not null ,
```

```
     primary key (tipo)  constraint "cgalvan".leche
  );


revoke all on "cgalvan".leche from "public" as "cgalvan";


{ TABLE "gesquibel".proporciona row size = 16 number of columns = 4 index
size =
          35 }
{ unload file name = propo00106.unl number of rows = 0 }


create table "gesquibel".proporciona
  (
    num integer not null ,
    serie integer not null ,
    cantidad integer not null ,
    fecha date not null ,
    primary key (num,serie,fecha)  constraint "sestevez".proporciona
  );


revoke all on "gesquibel".proporciona from "public" as "gesquibel";


{ TABLE "sestevez".cria row size = 22 number of columns = 5 index size = 26 }
{ unload file name = cria_00107.unl number of rows = 0 }


create table "sestevez".cria
  (
    numero_cria integer not null ,
    fecha date not null ,
```

```
    numero_vaca integer not null ,

    numero_macho integer not null ,

    sexo char(6) not null ,

    primary key (numero_cria)  constraint "sestevez".num_cria

  );


revoke all on "sestevez".cria from "public" as "sestevez";
```

{ TABLE "gesquibel".tiene row size = 8 number of columns = 2 index size = 31 }
{ unload file name = tiene00108.unl number of rows = 0 }

```
create table "gesquibel".tiene
  (
    ci integer not null ,
    serie integer not null ,
    primary key (ci,serie)  constraint "gesquibel".tiene
  );


revoke all on "gesquibel".tiene from "public" as "gesquibel";
```

{ TABLE "sestevez".campo_de_recria row size = 4 number of columns = 1 index
size
        = 9 }
{ unload file name = campo00109.unl number of rows = 0 }

```
create table "sestevez".campo_de_recria
  (
    num_camp_re integer not null ,
```

```
   primary key (num_camp_re)  constraint "sestevez".num_ca_re_pk
 );
```

```
revoke all on "sestevez".campo_de_recria from "public" as "sestevez";
```

```
{ TABLE "sestevez".va row size = 12 number of columns = 3 index size = 18 }
{ unload file name = va___00110.unl number of rows = 0 }
```

```
create table "sestevez".va
  (
    numero_cria integer not null ,
    num_camp_re integer not null ,
    fecha date not null ,
    primary key (numero_cria)  constraint "sestevez".num_cria_va_pk
  );
```

```
revoke all on "sestevez".va from "public" as "sestevez";
```

```
{ TABLE "gesquibel".se_da row size = 19 number of columns = 5 index size =
38 }
{ unload file name = se_da00111.unl number of rows = 0 }
```

```
create table "gesquibel".se_da
  (
    num_alimento integer not null ,
    num_animal integer not null ,
    cantidad integer not null ,
    fecha date not null ,
```

```
   hora datetime hour to minute not null ,
   primary key (num_alimento,num_animal,fecha,hora)  constraint
"sestevez".se_da
  );
```

revoke all on "gesquibel".se_da from "public" as "gesquibel";

{ TABLE "sestevez".retorna row size = 12 number of columns = 3 index size = 18 }
{ unload file name = retor00112.unl number of rows = 0 }

```
create table "sestevez".retorna
  (
   numero_animal integer not null ,
   fecha_vuelta date not null ,
   num_camp_re integer not null ,
   primary key (numero_animal)  constraint "sestevez".num_ani_ret_pk
  );
```

revoke all on "sestevez".retorna from "public" as "sestevez";

{ TABLE "gesquibel".alimento row size = 55 number of columns = 2 index size = 9 }
{ unload file name = alime00113.unl number of rows = 0 }

```
create table "gesquibel".alimento
  (
   num serial not null ,
```

```
    tipo varchar(50,1) not null ,

    primary key (num)  constraint "gesquibel".num_alimento
  );


revoke all on "gesquibel".alimento from "public" as "gesquibel";


{ TABLE "gesquibel".persona row size = 194 number of columns = 7 index size
= 9 }
{ unload file name = perso00114.unl number of rows = 0 }


create table "gesquibel".persona
  (
    ci integer not null ,
    nacimiento date not null ,
    cargo varchar(50,1) not null ,
    nombre varchar(50,1) not null ,
    sexo varchar(50,1) not null ,
    login varchar(30,5) not null ,
    activo smallint not null ,
    primary key (ci)  constraint "gesquibel".ci_personal
  );


revoke all on "gesquibel".persona from "public" as "gesquibel";


{ TABLE "gesquibel".personatel row size = 8 number of columns = 2 index size
= 22
        }
{ unload file name = perso00116.unl number of rows = 0 }
```

```
create table "gesquibel".personatel
  (
    ci integer not null ,
    telefono integer not null ,
    primary key (ci,telefono)  constraint "gesquibel".ci_telefono
  );


revoke all on "gesquibel".personatel from "public" as "gesquibel";


{ TABLE "cgalvan".hembra row size = 4 number of columns = 1 index size = 9 }
{ unload file name = hembr00117.unl number of rows = 0 }


create table "cgalvan".hembra
  (
    id_hembra integer not null ,
    primary key (id_hembra)  constraint "cgalvan".hembra
  );


revoke all on "cgalvan".hembra from "public" as "cgalvan";


{ TABLE "sestevez".macho row size = 8 number of columns = 2 index size = 9 }
{ unload file name = macho00118.unl number of rows = 0 }


create table "sestevez".macho
  (
    id_macho integer not null ,
    castrado integer not null ,
```

```
primary key (id_macho)  constraint "sestevez".id_macho_pk
 );
```

```
revoke all on "sestevez".macho from "public" as "sestevez";
```

```
{ TABLE "gesquibel".pasa row size = 16 number of columns = 4 index size =
31 }
{ unload file name = pasa_00119.unl number of rows = 0 }
```

```
create table "gesquibel".pasa
  (
    id_hembra integer not null ,
    num_estado integer not null ,
    fecha_inicio date not null ,
    fecha_fin date not null ,
    primary key (id_hembra,num_estado)  constraint "gesquibel".pasa_r
  );
```

```
revoke all on "gesquibel".pasa from "public" as "gesquibel";
```

```
{ TABLE "cgalvan".produce row size = 71 number of columns = 11 index size =
70 }
{ unload file name = produ00120.unl number of rows = 0 }
```

```
create table "cgalvan".produce
  (
    fecha_produce date not null ,
    hora_ordenie datetime hour to minute not null ,
```

```
    tipo_leche char(20) not null ,

    num_lote integer not null ,

    cantidad decimal(16) not null ,

    recuento_bacteriano integer not null ,

    grasa decimal(16) not null ,

    proteina integer not null ,

    celulas_somaticas integer not null ,

    urea integer not null ,

    id_hembra integer not null ,

    primary key (hora_ordenie,id_hembra,tipo_leche,fecha_produce)  constraint
"cgalvan".produce
  );


revoke all on "cgalvan".produce from "public" as "cgalvan";


{ TABLE "sestevez".vuelve row size = 12 number of columns = 3 index size =
18 }
{ unload file name = vuelv00121.unl number of rows = 0 }


create table "sestevez".vuelve
  (
    id_hembra integer not null ,

    num_camp_re integer not null ,

    fecha_vuelta date not null ,

    primary key (id_hembra)  constraint "sestevez".id_hem_vuelve_pk
  );


revoke all on "sestevez".vuelve from "public" as "sestevez";
```

```
{ TABLE "gesquibel".estado row size = 55 number of columns = 2 index size = 9
}
{ unload file name = estad00122.unl number of rows = 0 }


create table "gesquibel".estado
  (
    num serial not null ,
    nombre varchar(50,1) not null
  );


revoke all on "gesquibel".estado from "public" as "gesquibel";


{ TABLE "sestevez".hay row size = 8 number of columns = 2 index size = 18 }
{ unload file name = hay__00123.unl number of rows = 0 }


create table "sestevez".hay
  (
    numero_animal integer not null ,
    serie_tambo integer not null ,
    primary key (numero_animal)  constraint "sestevez".hay_pk
  );


revoke all on "sestevez".hay from "public" as "sestevez";


{ TABLE "sestevez".evento row size = 12 number of columns = 3 index size =
35 }
{ unload file name = event00125.unl number of rows = 0 }
```

```
create table "sestevez".evento
  (
    id_hembra integer not null ,
    id_macho integer not null ,
    fecha date not null ,
    primary key (id_hembra,id_macho,fecha)  constraint "sestevez".evento_pk
  );


revoke all on "sestevez".evento from "public" as "sestevez";


{ TABLE "cgalvan".tanque row size = 14 number of columns = 2 index size = 9 }
{ unload
 file name = tanqu00127.unl number of rows = 0 }


create table "cgalvan".tanque
  (
    num_serie integer not null ,
    capacidad decimal(16) not null ,
    primary key (num_serie)  constraint "sestevez".tanque_pk
  );


revoke all on "cgalvan".tanque from "public" as "cgalvan";


{ TABLE "sestevez".posee row size = 8 number of columns = 2 index size = 18 }
{ unload file name = posee00129.unl number of rows = 0 }


create table "sestevez".posee
```

```
  (
    serie_tambo integer not null ,
    serie_tanque integer not null ,
    primary key (serie_tanque)  constraint "sestevez".posee_pk
  );


revoke all on "sestevez".posee from "public" as "sestevez";


{ TABLE "gesquibel".tambo row size = 63 number of columns = 4 index size =
9 }
{ unload file name = tambo00130.unl number of rows = 0 }


create table "gesquibel".tambo
  (
    serie serial not null ,
    establecimiento varchar(50,1) not null ,
    hectareas integer not null ,
    ganado_max integer not null
  );


revoke all on "gesquibel".tambo from "public" as "gesquibel";


{ TABLE "sestevez".ordenie row size = 10 number of columns = 3 index size = 9
}
{ unload file name = orden00131.unl number of rows = 0 }


create table "sestevez".ordenie
  (
```

```
numero_ordenie integer not null ,

hora_inicio datetime hour to minute not null ,

hora_fin datetime hour to minute not null ,

primary key (numero_ordenie)  constraint "sestevez".ordenie_pk
);
```

```
revoke all on "sestevez".ordenie from "public" as "sestevez";
```

```
{ TABLE "sestevez".supervisa row size = 8 number of columns = 2 index size =
31 }
{ unload file name = super00132.unl number of rows = 0 }
```

```
create table "sestevez".supervisa
(
  ci integer not null ,
  num_ordenie integer not null ,
  primary key (num_ordenie,ci)  constraint "sestevez".supervisa_pk
);
```

```
revoke all on "sestevez".supervisa from "public" as "sestevez";
```

```
{ TABLE "sestevez".controla row size = 123 number of columns = 5 index size =
35
        }
{ unload file name = contr00133.unl number of rows = 0 }
```

```
create table "sestevez".controla
(
```

```
    num_animal integer not null ,

    ci_personal integer not null ,

    peso decimal(16) not null ,

    vacuna varchar(100,1) not null ,

    fecha date not null ,

    primary key (num_animal,ci_personal,fecha)  constraint
"sestevez".controla_pk
  );
```

revoke all on "sestevez".controla from "public" as "sestevez";grant select on "cgalvan".cooperativa to "isu_adm_est" as "cgalvan";

grant update on "cgalvan".cooperativa to "isu_adm_est" as "cgalvan";

grant insert on "cgalvan".cooperativa to "isu_adm_est" as "cgalvan";

grant select on "cgalvan".cooperativa to "isu_adm_sis" as "cgalvan";

grant update on "cgalvan".cooperativa to "isu_adm_sis" as "cgalvan";

grant insert on "cgalvan".cooperativa to "isu_adm_sis" as "cgalvan";

grant delete on "cgalvan".cooperativa to "isu_adm_sis" as "cgalvan";

grant select on "cgalvan".cooperativa to "isu_auxiliar" as "cgalvan";

grant update on "cgalvan".cooperativa to "isu_auxiliar" as "cgalvan";

grant insert on "cgalvan".cooperativa to "isu_auxiliar" as "cgalvan";

grant select on "cgalvan".cooperativa to "isu_gerente" as "cgalvan";

grant update on "cgalvan".cooperativa to "isu_gerente" as "cgalvan";

grant insert on "cgalvan".cooperativa to "isu_gerente" as "cgalvan";

grant select on "cgalvan".cooperativa to "gesquibel" as "cgalvan";

grant update on "cgalvan".cooperativa to "gesquibel" as "cgalvan";

grant insert on "cgalvan".cooperativa to "gesquibel" as "cgalvan";

grant select on "cgalvan".cooperativa to "sestevez" as "cgalvan";

grant update on "cgalvan".cooperativa to "sestevez" as "cgalvan";

```
grant insert on "cgalvan".cooperativa to "sestevez" as "cgalvan";
grant select on "cgalvan".retira to "isu_adm_est" as "cgalvan";
grant update on "cgalvan".retira to "isu_adm_est" as "cgalvan";
grant insert on "cgalvan".retira to "isu_adm_est" as "cgalvan";
grant select on "cgalvan".retira to "gesquibel" as "cgalvan";
grant update on "cgalvan".retira to "gesquibel" as "cgalvan";
grant insert on "cgalvan".retira to "gesquibel" as "cgalvan";
grant select on "cgalvan".retira to "isu_adm_sis" as "cgalvan";
grant update on "cgalvan".retira to "isu_adm_sis" as "cgalvan";
grant insert on "cgalvan".retira to "isu_adm_sis" as "cgalvan";
grant delete on "cgalvan".retira to "isu_adm_sis" as "cgalvan";
grant select on "cgalvan".retira to "sestevez" as "cgalvan";
grant update on "cgalvan".retira to "sestevez" as "cgalvan";
grant insert on "cgalvan".retira to "sestevez" as "cgalvan";
grant select on "cgalvan".retira to "isu_auxiliar" as "cgalvan";
grant update on "cgalvan".retira to "isu_auxiliar" as "cgalvan";
grant insert on "cgalvan".retira to "isu_auxiliar" as "cgalvan";
grant select on "cgalvan".retira to "isu_gerente" as "cgalvan";
grant update on "cgalvan".retira to "isu_gerente" as "cgalvan";
grant insert on "cgalvan".retira to "isu_gerente" as "cgalvan";
grant select on "sestevez".animal to "isu_adm_est" as "sestevez";
grant update on "sestevez".animal to "isu_adm_est" as "sestevez";
grant insert on "sestevez".animal to "isu_adm_est" as "sestevez";
grant delete on "sestevez".animal to "isu_adm_est" as "sestevez";
grant select on "sestevez".animal to "isu_auxiliar" as "sestevez";
grant update on "sestevez".animal to "isu_auxiliar" as "sestevez";
grant insert on "sestevez".animal to "isu_auxiliar" as "sestevez";
grant select on "sestevez".animal to "isu_adm_sis" as "sestevez";
```

grant update on "sestevez".animal to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".animal to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".animal to "isu_adm_sis" as "sestevez";

grant select on "sestevez".animal to "isu_gerent" as "sestevez";

grant update on "sestevez".animal to "isu_gerent" as "sestevez";

grant insert on "sestevez".animal to "isu_gerent" as "sestevez";

grant delete on "sestevez".animal to "isu_gerent" as "sestevez";

grant select on "sestevez".animal to "cgalvan" as "sestevez";

grant update on "sestevez".animal to "cgalvan" as "sestevez";

grant insert on "sestevez".animal to "cgalvp" as "sestevez";

grant delete on "sestevez".animal to "cgalvan" as "sestevez";

grant alter on "sestevez".animal to "cgalvan" as "sestevez";

grant select on "sestevez".animal to "gesquibel" as "sestevez";

grant update on "sestevez".animal to "gesquibel" as "sestevez";

grant insert on "sestevez".animal to "gesquibel" as "sestevez";

grant delete on "sestevez".animal to "gesquibel" as "sestevez";

grant alter on "sestevez".animal to "gesquibel" as "sestevez";

grant select on "cgalvan".almacena to "isu_gerente" as "cgalvan";

grant update on "cgalvan".almacena to "isu_gerente" as "cgalvan";

grant insert on "cgalvan".almacena to "isu_gerente" as "cgalvan";

grant select on "cgalvan".almacena to "sestevez" as "cgalvan";

grant update on "cgalvan".almacena to "sestevez" as "cgalvan";

grant insert on "cgalvan".almacena to "sestevez" as "cgalvan";

grant select on "cgalvan".almacena to "isu_auxiliar" as "cgalvan";

grant update on "cgalvan".almacena to "isu_auxiliar" as "cgalvan";

grant insert on "cgalvan".almacena to "isu_auxiliar" as "cgalvan";

grant select on "cgalvan".almacena to "gesquibel" as "cgalvan";

grant update on "cgalvan".almacena to "gesquibel" as "cgalvan";

grant insert on "cgalvan".almacena to "gesquibel" as "cgalvan";

grant select on "cgalvan".almacena to "isu_adm_sis" as "cgalvan";

grant update on "cgalvan".almacena to "isu_adm_sis" as "cgalvan";

grant insert on "cgalvan".almacena to "isu_adm_sis" as "cgalvan";

grant delete on "cgalvan".almacena to "isu_adm_sis" as "cgalvan";

grant select on "cgalvan".almacena to "isu_adm_est" as "cgalvan";

grant update on "cgalvan".almacena to "isu_adm_est" as "cgalvan";

grant insert on "cgalvan".almacena to "isu_adm_est" as "cgalvan";

grant select on "cgalvan".leche to "sestevez" as "cgalvan";

grant update on "cgalvan".leche to "sestevez" as "cgalvan";

grant insert on "cgalvan".leche to "sestevez" as "cgalvan";

grant select on "cgalvan".leche to "isu_adm_est" as "cgalvan";

grant update on "cgalvan".leche to "isu_adm_est" as "cgalvan";

grant insert on "cgalvan".leche to "isu_adm_est" as "cgalvan";

grant select on "cgalvan".leche to "isu_adm_sis" as "cgalvan";

grant update on "cgalvan".leche to "isu_adm_sis" as "cgalvan";

grant insert on "cgalvan".leche to "isu_adm_sis" as "cgalvan";

grant delete on "cgalvan".leche to "isu_adm_sis" as "cgalvan";

grant select on "cgalvan".leche to "isu_auxiliar" as "cgalvan";

grant update on "cgalvan".leche to "isu_auxiliar" as "cgalvan";

grant insert on "cgalvan".leche to "isu_auxiliar" as "cgalvan";

grant select on "cgalvan".leche to "isu_gerente" as "cgalvan";

grant update on "cgalvan".leche to "isu_gerente" as "cgalvan";

grant insert on "cgalvan".leche to "isu_gerente" as "cgalvan";

grant select on "cgalvan".leche to "gesquibel" as "cgalvan";

grant update on "cgalvan".leche to "gesquibel" as "cgalvan";

grant insert on "cgalvan".leche to "gesquibel" as "cgalvan";

grant select on "gesquibel".proporciona to "isu_adm_sis" as "gesquibel";

grant update on "gesquibel".proporciona to "isu_adm_sis" as "gesquibel";

grant insert on "gesquibel".proporciona to "isu_adm_sis" as "gesquibel";

grant delete on "gesquibel".proporciona to "isu_adm_sis" as "gesquibel";

grant select on "gesquibel".proporciona to "isu_adm_est" as "gesquibel";

grant update on "gesquibel".proporciona to "isu_adm_est" as "gesquibel";

grant insert on "gesquibel".proporciona to "isu_adm_est" as "gesquibel";

grant delete on "gesquibel".proporciona to "isu_adm_est" as "gesquibel";

grant select on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant update on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant insert on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant delete on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant index on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant alter on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant references on "gesquibel".proporciona to "sestevez" as "gesquibel";

grant select on "gesquibel".proporciona to "isu_auxiliar" as "gesquibel";

grant select on "gesquibel".proporciona to "isu_gerente" as "gesquibel";

grant update on "gesquibel".proporciona to "isu_gerente" as "gesquibel";

grant insert on "gesquibel".proporciona to "isu_gerente" as "gesquibel";

grant delete on "gesquibel".proporciona to "isu_gerente" as "gesquibel";

grant select on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant update on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant insert on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant delete on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant index on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant alter on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant references on "gesquibel".proporciona to "cgalvan" as "gesquibel";

grant select on "sestevez".cria to "cgalvan" as "sestevez";

grant update on "sestevez".cria to "cgalvan" as "sestevez";

grant insert on "sestevez".cria to "cgalvan" as "sestevez";

grant delete on "sestevez".cria to "cgalvan" as "sestevez";

grant alter on "sestevez".cria to "cgalvan" as "sestevez";

grant select on "sestevez".cria to "gesquibel" as "sestevez";

grant update on "sestevez".cria to "gesquibel" as "sestevez";

grant insert on "sestevez".cria to "gesquibel" as "sestevez";

grant delete on "sestevez".cria to "gesquibel" as "sestevez";

grant alter on "sestevez".cria to "gesquibel" as "sestevez";

grant select on "sestevez".cria to "isu_gerent" as "sestevez";

grant update on "sestevez".cria to "isu_gerent" as "sestevez";

grant insert on "sestevez".cria to "isu_gerent" as "sestevez";

grant delete on "sestevez".cria to "isu_gerent" as "sestevez";

grant select on "sestevez".cria to "isu_auxiliar" as "sestevez";

grant update on "sestevez".cria to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".cria to "isu_auxiliar" as "sestevez";

grant select on "sestevez".cria to "isu_adm_est" as "sestevez";

grant update on "sestevez".cria to "isu_adm_est" as "sestevez";

grant insert on "sestevez".cria to "isu_adm_est" as "sestevez";

grant delete on "sestevez".cria to "isu_adm_est" as "sestevez";

grant select on "sestevez".cria to "isu_adm_sis" as "sestevez";

grant update on "sestevez".cria to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".cria to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".cria to "isu_adm_sis" as "sestevez";

grant select on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant update on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant insert on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant delete on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant index on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant alter on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant references on "gesquibel".tiene to "cgalvan" as "gesquibel";

grant select on "gesquibel".tiene to "isu_gerente" as "gesquibel";

grant select on "gesquibel".tiene to "sestevez" as "gesquibel";

grant update on "gesquibel".tiene to "sestevez" as "gesquibel";

grant insert on "gesquibel".tiene to "sestevez" as "gesquibel";

grant delete on "gesquibel".tiene to "sestevez" as "gesquibel";

grant index on "gesquibel".tiene to "sestevez" as "gesquibel";

grant alter on "gesquibel".tiene to "sestevez" as "gesquibel";

grant references on "gesquibel".tiene to "sestevez" as "gesquibel";

grant select on "gesquibel".tiene to "isu_adm_sis" as "gesquibel";

grant update on "gesquibel".tiene to "isu_adm_sis" as "gesquibel";

grant insert on "gesquibel".tiene to "isu_adm_sis" as "gesquibel";

grant delete on "gesquibel".tiene to "isu_adm_sis" as "gesquibel";

grant select on "gesquibel".tiene to "isu_adm_est" as "gesquibel";

grant select on "sestevez".campo_de_recria to "isu_auxiliar" as "sestevez";

grant update on "sestevez".campo_de_recria to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".campo_de_recria to "isu_auxiliar" as "sestevez";

grant select on "sestevez".campo_de_recria to "isu_gerent" as "sestevez";

grant update on "sestevez".campo_de_recria to "isu_gerent" as "sestevez";

grant insert on "sestevez".campo_de_recria to "isu_gerent" as "sestevez";

grant delete on "sestevez".campo_de_recria to "isu_gerent" as "sestevez";

grant select on "sestevez".campo_de_recria to "isu_adm_sis" as "sestevez";

grant update on "sestevez".campo_de_recria to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".campo_de_recria to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".campo_de_recria to "isu_adm_sis" as "sestevez";

grant select on "sestevez".campo_de_recria to "cgalvan" as "sestevez";

grant update on "sestevez".campo_de_recria to "cgalvan" as "sestevez";

grant insert on "sestevez".campo_de_recria to "cgalvan" as "sestevez";

grant delete on "sestevez".campo_de_recria to "cgalvan" as "sestevez";

grant alter on "sestevez".campo_de_recria to "cgalvan" as "sestevez";

grant select on "sestevez".campo_de_recria to "isu_adm_est" as "sestevez";

grant update on "sestevez".campo_de_recria to "isu_adm_est" as "sestevez";

grant insert on "sestevez".campo_de_recria to "isu_adm_est" as "sestevez";

grant delete on "sestevez".campo_de_recria to "isu_adm_est" as "sestevez";

grant select on "sestevez".campo_de_recria to "gesquibel" as "sestevez";

grant update on "sestevez".campo_de_recria to "gesquibel" as "sestevez";

grant insert on "sestevez".campo_de_recria to "gesquibel" as "sestevez";

grant delete on "sestevez".campo_de_recria to "gesquibel" as "sestevez";

grant alter on "sestevez".campo_de_recria to "gesquibel" as "sestevez";

grant select on "sestevez".va to "isu_adm_est" as "sestevez";

grant update on "sestevez".va to "isu_adm_est" as "sestevez";

grant insert on "sestevez".va to "isu_adm_est" as "sestevez";

grant delete on "sestevez".va to "isu_adm_est" as "sestevez";

grant select on "sestevez".va to "isu_auxiliar" as "sestevez";

grant update on "sestevez".va to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".va to "isu_auxiliar" as "sestevez";

grant select on "sestevez".va to "isu_adm_sis" as "sestevez";

grant update on "sestevez".va to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".va to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".va to "isu_adm_sis" as "sestevez";

grant select on "sestevez".va to "isu_gerent" as "sestevez";

grant update on "sestevez".va to "isu_gerent" as "sestevez";

grant insert on "sestevez".va to "isu_gerent" as "sestevez";

grant delete on "sestevez".va to "isu_gerent" as "sestevez";

grant select on "sestevez".va to "cgalvan" as "sestevez";

grant update on "sestevez".va to "cgalvan" as "sestevez";

grant insert on "sestevez".va to "cgalvan" as "sestevez";

grant delete on "sestevez".va to "cgalvan" as "sestevez";

grant alter on "sestevez".va to "cgalvan" as "sestevez";

grant select on "sestevez".va to "gesquibel" as "sestevez";

grant update on "sestevez".va to "gesquibel" as "sestevez";

grant insert on "sestevez".va to "gesquibel" as "sestevez";

grant delete on "sestevez".va to "gesquibel" as "sestevez";

grant alter on "sestevez".va to "gesquibel" as "sestevez";

grant select on "gesquibel".se_da to "sestevez" as "gesquibel";

grant update on "gesquibel".se_da to "sestevez" as "gesquibel";

grant insert on "gesquibel".se_da to "sestevez" as "gesquibel";

grant delete on "gesquibel".se_da to "sestevez" as "gesquibel";

grant index on "gesquibel".se_da to "sestevez" as "gesquibel";

grant alter on "gesquibel".se_da to "sestevez" as "gesquibel";

grant references on "gesquibel".se_da to "sestevez" as "gesquibel";

grant select on "gesquibel".se_da to "isu_gerente" as "gesquibel";

grant update on "gesquibel".se_da to "isu_gerente" as "gesquibel";

grant insert on "gesquibel".se_da to "isu_gerente" as "gesquibel";

grant delete on "gesquibel".se_da to "isu_gerente" as "gesquibel";

grant select on "gesquibel".se_da to "isu_auxiliar" as "gesquibel";

grant update on "gesquibel".se_da to "isu_auxiliar" as "gesquibel";

grant insert on "gesquibel".se_da to "isu_auxiliar" as "gesquibel";

grant select on "gesquibel".se_da to "cgalvan" as "gesquibel";

grant update on "gesquibel".se_da to "cgalvan" as "gesquibel";

grant insert on "gesquibel".se_da to "cgalvan" as "gesquibel";

grant delete on "gesquibel".se_da to "cgalvan" as "gesquibel";

grant index on "gesquibel".se_da to "cgalvan" as "gesquibel";

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grant alter on "gesquibel".se_da to "cgalvan" as "gesquibel";
grant references on "gesquibel".se_da to "cgalvan" as "gesquibel";
grant select on "gesquibel".se_da to "isu_adm_sis" as "gesquibel";
grant update on "gesquibel".se_da to "isu_adm_sis" as "gesquibel";
grant insert on "gesquibel".se_da to "isu_adm_sis" as "gesquibel";
grant delete on "gesquibel".se_da to "isu_adm_sis" as "gesquibel";
grant select on "gesquibel".se_da to "isu_adm_est" as "gesquibel";
grant update on "gesquibel".se_da to "isu_adm_est" as "gesquibel";
grant insert on "gesquibel".se_da to "isu_adm_est" as "gesquibel";
grant delete on "gesquibel".se_da to "isu_adm_est" as "gesquibel";
grant select on "sestevez".retorna to "isu_adm_est" as "sestevez";
grant update on "sestevez".retorna to "isu_adm_est" as "sestevez";
grant insert on "sestevez".retorna to "isu_adm_est" as "sestevez";
grant delete on "sestevez".retorna to "isu_adm_est" as "sestevez";
grant select on "sestevez".retorna to "gesquibel" as "sestevez";
grant update on "sestevez".retorna to "gesquibel" as "sestevez";
grant insert on "sestevez".retorna to "gesquibel" as "sestevez";
grant delete on "sestevez".retorna to "gesquibel" as "sestevez";
grant alter on "sestevez".retorna to "gesquibel" as "sestevez";
grant select on "sestevez".retorna to "cgalvan" as "sestevez";
grant update on "sestevez".retorna to "cgalvan" as "sestevez";
grant insert on "sestevez".retorna to "cgalvan" as "sestevez";
grant delete on "sestevez".retorna to "cgalvan" as "sestevez";
grant alter on "sestevez".retorna to "cgalvan" as "sestevez";
grant select on "sestevez".retorna to "isu_gerent" as "sestevez";
grant update on "sestevez".retorna to "isu_gerent" as "sestevez";
grant insert on "sestevez".retorna to "isu_gerent" as "sestevez";
grant delete on "sestevez".retorna to "isu_gerent" as "sestevez";
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grant select on "sestevez".retorna to "isu_auxiliar" as "sestevez";

grant update on "sestevez".retorna to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".retorna to "isu_auxiliar" as "sestevez";

grant select on "sestevez".retorna to "isu_adm_sis" as "sestevez";

grant update on "sestevez".retorna to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".retorna to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".retorna to "isu_adm_sis" as "sestevez";

grant select on "gesquibel".alimento to "isu_adm_sis" as "gesquibel";

grant update on "gesquibel".alimento to "isu_adm_sis" as "gesquibel";

grant insert on "gesquibel".alimento to "isu_adm_sis" as "gesquibel";

grant delete on "gesquibel".alimento to "isu_adm_sis" as "gesquibel";

grant select on "gesquibel".alimento to "isu_adm_est" as "gesquibel";

grant update on "gesquibel".alimento to "isu_adm_est" as "gesquibel";

grant insert on "gesquibel".alimento to "isu_adm_est" as "gesquibel";

grant delete on "gesquibel".alimento to "isu_adm_est" as "gesquibel";

grant select on "gesquibel".alimento to "isu_auxiliar" as "gesquibel";

grant update on "gesquibel".alimento to "isu_auxiliar" as "gesquibel";

grant insert on "gesquibel".alimento to "isu_auxiliar" as "gesquibel";

grant select on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant update on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant insert on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant delete on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant index on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant alter on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant references on "gesquibel".alimento to "cgalvan" as "gesquibel";

grant select on "gesquibel".alimento to "isu_gerente" as "gesquibel";

grant update on "gesquibel".alimento to "isu_gerente" as "gesquibel";

grant insert on "gesquibel".alimento to "isu_gerente" as "gesquibel";

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grant delete on "gesquibel".alimento to "isu_gerente" as "gesquibel";
grant select on "gesquibel".alimento to "sestevez" as "gesquibel";
grant update on "gesquibel".alimento to "sestevez" as "gesquibel";
grant insert on "gesquibel".alimento to "sestevez" as "gesquibel";
grant delete on "gesquibel".alimento to "sestevez" as "gesquibel";
grant index on "gesquibel".alimento to "sestevez" as "gesquibel";
grant alter on "gesquibel".alimento to "sestevez" as "gesquibel";
grant references on "gesquibel".alimento to "sestevez" as "gesquibel";
grant select on "gesquibel".persona to "isu_adm_est" as "gesquibel";
grant select on "gesquibel".persona to "isu_gerente" as "gesquibel";
grant select on "gesquibel".persona to "isu_adm_sis" as "gesquibel";
grant update on "gesquibel".persona to "isu_adm_sis" as "gesquibel";
grant insert on "gesquibel".persona to "isu_adm_sis" as "gesquibel";
grant delete on "gesquibel".persona to "isu_adm_sis" as "gesquibel";
grant select on "gesquibel".persona to "sestevez" as "gesquibel";
grant update on "gesquibel".persona to "sestevez" as "gesquibel";
grant insert on "gesquibel".persona to "sestevez" as "gesquibel";
grant delete on "gesquibel".persona to "sestevez" as "gesquibel";
grant index on "gesquibel".persona to "sestevez" as "gesquibel";
grant alter on "gesquibel".persona to "sestevez" as "gesquibel";
grant references on "gesquibel".persona to "sestevez" as "gesquibel";
grant select on "gesquibel".persona to "cgalvan" as "gesquibel";
grant update on "gesquibel".persona to "cgalvan" as "gesquibel";
grant insert on "gesquibel".persona to "cgalvan" as "gesquibel";
grant delete on "gesquibel".persona to "cgalvan" as "gesquibel";
grant index on "gesquibel".persona to "cgalvan" as "gesquibel";
grant alter on "gesquibel".persona to "cgalvan" as "gesquibel";
grant references on "gesquibel".persona to "cgalvan" as "gesquibel";
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grant select on "gesquibel".personatel to "isu_gerente" as "gesquibel";

grant select on "gesquibel".personatel to "sestevez" as "gesquibel";

grant update on "gesquibel".personatel to "sestevez" as "gesquibel";

grant insert on "gesquibel".personatel to "sestevez" as "gesquibel";

grant delete on "gesquibel".personatel to "sestevez" as "gesquibel";

grant index on "gesquibel".personatel to "sestevez" as "gesquibel";

grant alter on "gesquibel".personatel to "sestevez" as "gesquibel";

grant references on "gesquibel".personatel to "sestevez" as "gesquibel";

grant select on "gesquibel".personatel to "isu_adm_sis" as "gesquibel";

grant update on "gesquibel".personatel to "isu_adm_sis" as "gesquibel";

grant insert on "gesquibel".personatel to "isu_adm_sis" as "gesquibel";

grant delete on "gesquibel".personatel to "isu_adm_sis" as "gesquibel";

grant select on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant update on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant insert on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant delete on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant index on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant alter on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant references on "gesquibel".personatel to "cgalvan" as "gesquibel";

grant select on "gesquibel".personatel to "isu_adm_est" as "gesquibel";

grant select on "cgalvan".hembra to "gesquibel" as "cgalvan";

grant update on "cgalvan".hembra to "gesquibel" as "cgalvan";

grant insert on "cgalvan".hembra to "gesquibel" as "cgalvan";

grant select on "cgalvan".hembra to "isu_adm_est" as "cgalvan";

grant update on "cgalvan".hembra to "isu_adm_est" as "cgalvan";

grant insert on "cgalvan".hembra to "isu_adm_est" as "cgalvan";

grant select on "cgalvan".hembra to "isu_auxialiar" as "cgalvan";

grant update on "cgalvan".hembra to "isu_auxialiar" as "cgalvan";

grant insert on "cgalvan".hembra to "isu_auxialiar" as "cgalvan";
grant select on "cgalvan".hembra to "isu_adm_sis" as "cgalvan";
grant update on "cgalvan".hembra to "isu_adm_sis" as "cgalvan";
grant insert on "cgalvan".hembra to "isu_adm_sis" as "cgalvan";
grant delete on "cgalvan".hembra to "isu_adm_sis" as "cgalvan";
grant select on "cgalvan".hembra to "sestevez" as "cgalvan";
grant update on "cgalvan".hembra to "sestevez" as "cgalvan";
grant insert on "cgalvan".hembra to "sestevez" as "cgalvan";
grant select on "cgalvan".hembra to "isu_gerente" as "cgalvan";
grant update on "cgalvan".hembra to "isu_gerente" as "cgalvan";
grant insert on "cgalvan".hembra to "isu_gerente" as "cgalvan";
grant select on "sestevez".macho to "isu_auxiliar" as "sestevez";
grant update on "sestevez".macho to "isu_auxiliar" as "sestevez";
grant insert on "sestevez".macho to "isu_auxiliar" as "sestevez";
grant select on "sestevez".macho to "isu_gerent" as "sestevez";
grant update on "sestevez".macho to "isu_gerent" as "sestevez";
grant insert on "sestevez".macho to "isu_gerent" as "sestevez";
grant delete on "sestevez".macho to "isu_gerent" as "sestevez";
grant select on "sestevez".macho to "isu_adm_sis" as "sestevez";
grant update on "sestevez".macho to "isu_adm_sis" as "sestevez";
grant insert on "sestevez".macho to "isu_adm_sis" as "sestevez";
grant delete on "sestevez".macho to "isu_adm_sis" as "sestevez";
grant select on "sestevez".macho to "cgalvan" as "sestevez";
grant update on "sestevez".macho to "cgalvan" as "sestevez";
grant insert on "sestevez".macho to "cgalvan" as "sestevez";
grant delete on "sestevez".macho to "cgalvan" as "sestevez";
grant alter on "sestevez".macho to "cgalvan" as "sestevez";
grant select on "sestevez".macho to "isu_adm_est" as "sestevez";

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grant update on "sestevez".macho to "isu_adm_est" as "sestevez";
grant insert on "sestevez".macho to "isu_adm_est" as "sestevez";
grant delete on "sestevez".macho to "isu_adm_est" as "sestevez";
grant select on "sestevez".macho to "gesquibel" as "sestevez";
grant update on "sestevez".macho to "gesquibel" as "sestevez";
grant insert on "sestevez".macho to "gesquibel" as "sestevez";
grant delete on "sestevez".macho to "gesquibel" as "sestevez";
grant alter on "sestevez".macho to "gesquibel" as "sestevez";
grant select on "gesquibel".pasa to "isu_gerente" as "gesquibel";
grant update on "gesquibel".pasa to "isu_gerente" as "gesquibel";
grant insert on "gesquibel".pasa to "isu_gerente" as "gesquibel";
grant delete on "gesquibel".pasa to "isu_gerente" as "gesquibel";
grant select on "gesquibel".pasa to "sestevez" as "gesquibel";
grant update on "gesquibel".pasa to "sestevez" as "gesquibel";
grant insert on "gesquibel".pasa to "sestevez" as "gesquibel";
grant delete on "gesquibel".pasa to "sestevez" as "gesquibel";
grant index on "gesquibel".pasa to "sestevez" as "gesquibel";
grant alter on "gesquibel".pasa to "sestevez" as "gesquibel";
grant references on "gesquibel".pasa to "sestevez" as "gesquibel";
grant select on "gesquibel".pasa to "isu_adm_sis" as "gesquibel";
grant update on "gesquibel".pasa to "isu_adm_sis" as "gesquibel";
grant insert on "gesquibel".pasa to "isu_adm_sis" as "gesquibel";
grant delete on "gesquibel".pasa to "isu_adm_sis" as "gesquibel";
grant select on "gesquibel".pasa to "cgalvan" as "gesquibel";
grant update on "gesquibel".pasa to "cgalvan" as "gesquibel";
grant insert on "gesquibel".pasa to "cgalvan" as "gesquibel";
grant delete on "gesquibel".pasa to "cgalvan" as "gesquibel";
grant index on "gesquibel".pasa to "cgalvan" as "gesquibel";
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grant alter on "gesquibel".pasa to "cgalvan" as "gesquibel";
grant references on "gesquibel".pasa to "cgalvan" as "gesquibel";
grant select on "gesquibel".pasa to "isu_adm_est" as "gesquibel";
grant update on "gesquibel".pasa to "isu_adm_est" as "gesquibel";
grant insert on "gesquibel".pasa to "isu_adm_est" as "gesquibel";
grant delete on "gesquibel".pasa to "isu_adm_est" as "gesquibel";
grant select on "gesquibel".pasa to "isu_auxiliar" as "gesquibel";
grant update on "gesquibel".pasa to "isu_auxiliar" as "gesquibel";
grant insert on "gesquibel".pasa to "isu_auxiliar" as "gesquibel";
grant select on "cgalvan".produce to "isu_auxiliar" as "cgalvan";
grant update on "cgalvan".produce to "isu_auxiliar" as "cgalvan";
grant insert on "cgalvan".produce to "isu_auxiliar" as "cgalvan";
grant select on "cgalvan".produce to "sestevez" as "cgalvan";
grant update on "cgalvan".produce to "sestevez" as "cgalvan";
grant insert on "cgalvan".produce to "sestevez" as "cgalvan";
grant select on "cgalvan".produce to "gesquibel" as "cgalvan";
grant update on "cgalvan".produce to "gesquibel" as "cgalvan";
grant insert on "cgalvan".produce to "gesquibel" as "cgalvan";
grant select on "cgalvan".produce to "isu_gerente" as "cgalvan";
grant update on "cgalvan".produce to "isu_gerente" as "cgalvan";
grant insert on "cgalvan".produce to "isu_gerente" as "cgalvan";
grant select on "cgalvan".produce to "isu_adm_est" as "cgalvan";
grant update on "cgalvan".produce to "isu_adm_est" as "cgalvan";
grant insert on "cgalvan".produce to "isu_adm_est" as "cgalvan";
grant select on "cgalvan".produce to "isu_adm_sis" as "cgalvan";
grant update on "cgalvan".produce to "isu_adm_sis" as "cgalvan";
grant insert on "cgalvan".produce to "isu_adm_sis" as "cgalvan";
grant delete on "cgalvan".produce to "isu_adm_sis" as "cgalvan";
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grant select on "sestevez".vuelve to "isu_adm_est" as "sestevez";
grant update on "sestevez".vuelve to "isu_adm_est" as "sestevez";
grant insert on "sestevez".vuelve to "isu_adm_est" as "sestevez";
grant delete on "sestevez".vuelve to "isu_adm_est" as "sestevez";
grant select on "sestevez".vuelve to "isu_auxiliar" as "sestevez";
grant update on "sestevez".vuelve to "isu_auxiliar" as "sestevez";
grant insert on "sestevez".vuelve to "isu_auxiliar" as "sestevez";
grant select on "sestevez".vuelve to "isu_adm_sis" as "sestevez";
grant update on "sestevez".vuelve to "isu_adm_sis" as "sestevez";
grant insert on "sestevez".vuelve to "isu_adm_sis" as "sestevez";
grant delete on "sestevez".vuelve to "isu_adm_sis" as "sestevez";
grant select on "sestevez".vuelve to "isu_gerent" as "sestevez";
grant update on "sestevez".vuelve to "isu_gerent" as "sestevez";
grant insert on "sestevez".vuelve to "isu_gerent" as "sestevez";
grant delete on "sestevez".vuelve to "isu_gerent" as "sestevez";
grant select on "sestevez".vuelve to "cgalvan" as "sestevez";
grant update on "sestevez".vuelve to "cgalvan" as "sestevez";
grant insert on "sestevez".vuelve to "cgalvan" as "sestevez";
grant delete on "sestevez".vuelve to "cgalvan" as "sestevez";
grant alter on "sestevez".vuelve to "cgalvan" as "sestevez";
grant select on "sestevez".vuelve to "gesquibel" as "sestevez";
grant update on "sestevez".vuelve to "gesquibel" as "sestevez";
grant insert on "sestevez".vuelve to "gesquibel" as "sestevez";
grant delete on "sestevez".vuelve to "gesquibel" as "sestevez";
grant alter on "sestevez".vuelve to "gesquibel" as "sestevez";
grant select on "gesquibel".estado to "sestevez" as "gesquibel";
grant update on "gesquibel".estado to "sestevez" as "gesquibel";
grant insert on "gesquibel".estado to "sestevez" as "gesquibel";
```

grant delete on "gesquibel".estado to "sestevez" as "gesquibel";

grant index on "gesquibel".estado to "sestevez" as "gesquibel";

grant alter on "gesquibel".estado to "sestevez" as "gesquibel";

grant references on "gesquibel".estado to "sestevez" as "gesquibel";

grant select on "gesquibel".estado to "isu_adm_est" as "gesquibel";

grant update on "gesquibel".estado to "isu_adm_est" as "gesquibel";

grant insert on "gesquibel".estado to "isu_adm_est" as "gesquibel";

grant delete on "gesquibel".estado to "isu_adm_est" as "gesquibel";

grant select on "gesquibel".estado to "isu_adm_sis" as "gesquibel";

grant update on "gesquibel".estado to "isu_adm_sis" as "gesquibel";

grant insert on "gesquibel".estado to "isu_adm_sis" as "gesquibel";

grant delete on "gesquibel".estado to "isu_adm_sis" as "gesquibel";

grant select on "gesquibel".estado to "isu_auxiliar" as "gesquibel";

grant update on "gesquibel".estado to "isu_auxiliar" as "gesquibel";

grant insert on "gesquibel".estado to "isu_auxiliar" as "gesquibel";

grant select on "gesquibel".estado to "isu_gerente" as "gesquibel";

grant update on "gesquibel".estado to "isu_gerente" as "gesquibel";

grant insert on "gesquibel".estado to "isu_gerente" as "gesquibel";

grant delete on "gesquibel".estado to "isu_gerente" as "gesquibel";

grant select on "gesquibel".estado to "cgalvan" as "gesquibel";

grant update on "gesquibel".estado to "cgalvan" as "gesquibel";

grant insert on "gesquibel".estado to "cgalvan" as "gesquibel";

grant delete on "gesquibel".estado to "cgalvan" as "gesquibel";

grant index on "gesquibel".estado to "cgalvan" as "gesquibel";

grant alter on "gesquibel".estado to "cgalvan" as "gesquibel";

grant references on "gesquibel".estado to "cgalvan" as "gesquibel";

grant select on "sestevez".hay to "isu_gerent" as "sestevez";

grant update on "sestevez".hay to "isu_gerent" as "sestevez";

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grant insert on "sestevez".hay to "isu_gerent" as "sestevez";
grant delete on "sestevez".hay to "isu_gerent" as "sestevez";
grant select on "sestevez".hay to "cgalvan" as "sestevez";
grant update on "sestevez".hay to "cgalvan" as "sestevez";
grant insert on "sestevez".hay to "cgalvan" as "sestevez";
grant delete on "sestevez".hay to "cgalvan" as "sestevez";
grant alter on "sestevez".hay to "cgalvan" as "sestevez";
grant select on "sestevez".hay to "isu_auxiliar" as "sestevez";
grant update on "sestevez".hay to "isu_auxiliar" as "sestevez";
grant insert on "sestevez".hay to "isu_auxiliar" as "sestevez";
grant delete on "sestevez".hay to "isu_auxiliar" as "sestevez";
grant select on "sestevez".hay to "isu_adm_sis" as "sestevez";
grant update on "sestevez".hay to "isu_adm_sis" as "sestevez";
grant insert on "sestevez".hay to "isu_adm_sis" as "sestevez";
grant delete on "sestevez".hay to "isu_adm_sis" as "sestevez";
grant select on "sestevez".hay to "isu_adm_est" as "sestevez";
grant update on "sestevez".hay to "isu_adm_est" as "sestevez";
grant insert on "sestevez".hay to "isu_adm_est" as "sestevez";
grant delete on "sestevez".hay to "isu_adm_est" as "sestevez";
grant select on "sestevez".hay to "gesquibel" as "sestevez";
grant update on "sestevez".hay to "gesquibel" as "sestevez";
grant insert on "sestevez".hay to "gesquibel" as "sestevez";
grant delete on "sestevez".hay to "gesquibel" as "sestevez";
grant alter on "sestevez".hay to "gesquibel" as "sestevez";
grant select on "sestevez".evento to "isu_auxiliar" as "sestevez";
grant update on "sestevez".evento to "isu_auxiliar" as "sestevez";
grant insert on "sestevez".evento to "isu_auxiliar" as "sestevez";
grant delete on "sestevez".evento to "isu_auxiliar" as "sestevez";
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```
grant select on "sestevez".evento to "isu_amd_sis" as "sestevez";
grant update on "sestevez".evento to "isu_amd_sis" as "sestevez";
grant insert on "sestevez".evento to "isu_amd_sis" as "sestevez";
grant delete on "sestevez".evento to "isu_amd_sis" as "sestevez";
grant select on "sestevez".evento to "isu_gerent" as "sestevez";
grant update on "sestevez".evento to "isu_gerent" as "sestevez";
grant insert on "sestevez".evento to "isu_gerent" as "sestevez";
grant delete on "sestevez".evento to "isu_gerent" as "sestevez";
grant select on "sestevez".evento to "gesquibel" as "sestevez";
grant update on "sestevez".evento to "gesquibel" as "sestevez";
grant insert on "sestevez".evento to "gesquibel" as "sestevez";
grant delete on "sestevez".evento to "gesquibel" as "sestevez";
grant alter on "sestevez".evento to "gesquibel" as "sestevez";
grant select on "sestevez".evento to "isu_adm_est" as "sestevez";
grant update on "sestevez".evento to "isu_adm_est" as "sestevez";
grant insert on "sestevez".evento to "isu_adm_est" as "sestevez";
grant delete on "sestevez".evento to "isu_adm_est" as "sestevez";
grant select on "sestevez".evento to "cgalvan" as "sestevez";
grant update on "sestevez".evento to "cgalvan" as "sestevez";
grant insert on "sestevez".evento to "cgalvan" as "sestevez";
grant delete on "sestevez".evento to "cgalvan" as "sestevez";
grant alter on "sestevez".evento to "cgalvan" as "sestevez";
grant select on "cgalvan".tanque to "isu_adm_est" as "cgalvan";
grant update on "cgalvan".tanque to "isu_adm_est" as "cgalvan";
grant insert on "cgalvan".tanque to "isu_adm_est" as "cgalvan";
grant select on "cgalvan".tanque to "isu_adm_sis" as "cgalvan";
grant update on "cgalvan".tanque to "isu_adm_sis" as "cgalvan";
grant insert on "cgalvan".tanque to "isu_adm_sis" as "cgalvan";
```

grant delete on "cgalvan".tanque to "isu_adm_sis" as "cgalvan";

grant select on "cgalvan".tanque to "gesquibel" as "cgalvan";

grant update on "cgalvan".tanque to "gesquibel" as "cgalvan";

grant insert on "cgalvan".tanque to "gesquibel" as "cgalvan";

grant select on "cgalvan".tanque to "isu_gerente" as "cgalvan";

grant update on "cgalvan".tanque to "isu_gerente" as "cgalvan";

grant insert on "cgalvan".tanque to "isu_gerente" as "cgalvan";

grant select on "cgalvan".tanque to "isu_auxiliar" as "cgalvan";

grant update on "cgalvan".tanque to "isu_auxiliar" as "cgalvan";

grant insert on "cgalvan".tanque to "isu_auxiliar" as "cgalvan";

grant select on "cgalvan".tanque to "sestevez" as "cgalvan";

grant update on "cgalvan".tanque to "sestevez" as "cgalvan";

grant insert on "cgalvan".tanque to "sestevez" as "cgalvan";

grant select on "sestevez".posee to "cgalvan" as "sestevez";

grant update on "sestevez".posee to "cgalvan" as "sestevez";

grant insert on "sestevez".posee to "cgalvan" as "sestevez";

grant delete on "sestevez".posee to "cgalvan" as "sestevez";

grant index on "sestevez".posee to "cgalvan" as "sestevez";

grant alter on "sestevez".posee to "cgalvan" as "sestevez";

grant references on "sestevez".posee to "cgalvan" as "sestevez";

grant select on "sestevez".posee to "isu_gerent" as "sestevez";

grant update on "sestevez".posee to "isu_gerent" as "sestevez";

grant insert on "sestevez".posee to "isu_gerent" as "sestevez";

grant select on "sestevez".posee to "isu_adm_sis" as "sestevez";

grant update on "sestevez".posee to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".posee to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".posee to "isu_adm_sis" as "sestevez";

grant select on "sestevez".posee to "isu_adm_est" as "sestevez";

grant update on "sestevez".posee to "isu_adm_est" as "sestevez";

grant insert on "sestevez".posee to "isu_adm_est" as "sestevez";

grant delete on "sestevez".posee to "isu_adm_est" as "sestevez";

grant select on "sestevez".posee to "gesquibel" as "sestevez";

grant update on "sestevez".posee to "gesquibel" as "sestevez";

grant insert on "sestevez".posee to "gesquibel" as "sestevez";

grant delete on "sestevez".posee to "gesquibel" as "sestevez";

grant index on "sestevez".posee to "gesquibel" as "sestevez";

grant alter on "sestevez".posee to "gesquibel" as "sestevez";

grant references on "sestevez".posee to "gesquibel" as "sestevez";

grant select on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant update on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant insert on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant delete on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant index on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant alter on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant references on "gesquibel".tambo to "cgalvan" as "gesquibel";

grant select on "gesquibel".tambo to "sestevez" as "gesquibel";

grant update on "gesquibel".tambo to "sestevez" as "gesquibel";

grant insert on "gesquibel".tambo to "sestevez" as "gesquibel";

grant delete on "gesquibel".tambo to "sestevez" as "gesquibel";

grant index on "gesquibel".tambo to "sestevez" as "gesquibel";

grant alter on "gesquibel".tambo to "sestevez" as "gesquibel";

grant references on "gesquibel".tambo to "sestevez" as "gesquibel";

grant select on "gesquibel".tambo to "isu_adm_est" as "gesquibel";

grant update on "gesquibel".tambo to "isu_adm_est" as "gesquibel";

grant insert on "gesquibel".tambo to "isu_adm_est" as "gesquibel";

grant delete on "gesquibel".tambo to "isu_adm_est" as "gesquibel";

grant select on "gesquibel".tambo to "isu_gerente" as "gesquibel";

grant update on "gesquibel".tambo to "isu_gerente" as "gesquibel";

grant insert on "gesquibel".tambo to "isu_gerente" as "gesquibel";

grant delete on "gesquibel".tambo to "isu_gerente" as "gesquibel";

grant select on "gesquibel".tambo to "isu_adm_sis" as "gesquibel";

grant update on "gesquibel".tambo to "isu_adm_sis" as "gesquibel";

grant insert on "gesquibel".tambo to "isu_adm_sis" as "gesquibel";

grant delete on "gesquibel".tambo to "isu_adm_sis" as "gesquibel";

grant select on "sestevez".ordenie to "isu_gerent" as "sestevez";

grant update on "sestevez".ordenie to "isu_gerent" as "sestevez";

grant insert on "sestevez".ordenie to "isu_gerent" as "sestevez";

grant select on "sestevez".ordenie to "gesquibel" as "sestevez";

grant update on "sestevez".ordenie to "gesquibel" as "sestevez";

grant insert on "sestevez".ordenie to "gesquibel" as "sestevez";

grant delete on "sestevez".ordenie to "gesquibel" as "sestevez";

grant index on "sestevez".ordenie to "gesquibel" as "sestevez";

grant alter on "sestevez".ordenie to "gesquibel" as "sestevez";

grant references on "sestevez".ordenie to "gesquibel" as "sestevez";

grant select on "sestevez".ordenie to "isu_adm_est" as "sestevez";

grant update on "sestevez".ordenie to "isu_adm_est" as "sestevez";

grant insert on "sestevez".ordenie to "isu_adm_est" as "sestevez";

grant select on "sestevez".ordenie to "isu_adm_sis" as "sestevez";

grant update on "sestevez".ordenie to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".ordenie to "isu_adm_sis" as "sestevez";

grant select on "sestevez".ordenie to "isu_auxiliar" as "sestevez";

grant update on "sestevez".ordenie to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".ordenie to "isu_auxiliar" as "sestevez";

grant select on "sestevez".ordenie to "cgalvan" as "sestevez";

grant update on "sestevez".ordenie to "cgalvan" as "sestevez";

grant insert on "sestevez".ordenie to "cgalvan" as "sestevez";

grant delete on "sestevez".ordenie to "cgalvan" as "sestevez";

grant index on "sestevez".ordenie to "cgalvan" as "sestevez";

grant alter on "sestevez".ordenie to "cgalvan" as "sestevez";

grant references on "sestevez".ordenie to "cgalvan" as "sestevez";

grant select on "sestevez".supervisa to "cgalvan" as "sestevez";

grant update on "sestevez".supervisa to "cgalvan" as "sestevez";

grant insert on "sestevez".supervisa to "cgalvan" as "sestevez";

grant delete on "sestevez".supervisa to "cgalvan" as "sestevez";

grant index on "sestevez".supervisa to "cgalvan" as "sestevez";

grant alter on "sestevez".supervisa to "cgalvan" as "sestevez";

grant references on "sestevez".supervisa to "cgalvan" as "sestevez";

grant select on "sestevez".supervisa to "isu_gerent" as "sestevez";

grant update on "sestevez".supervisa to "isu_gerent" as "sestevez";

grant insert on "sestevez".supervisa to "isu_gerent" as "sestevez";

grant select on "sestevez".supervisa to "gesquibel" as "sestevez";

grant update on "sestevez".supervisa to "gesquibel" as "sestevez";

grant insert on "sestevez".supervisa to "gesquibel" as "sestevez";

grant delete on "sestevez".supervisa to "gesquibel" as "sestevez";

grant index on "sestevez".supervisa to "gesquibel" as "sestevez";

grant alter on "sestevez".supervisa to "gesquibel" as "sestevez";

grant references on "sestevez".supervisa to "gesquibel" as "sestevez";

grant select on "sestevez".supervisa to "isu_adm_est" as "sestevez";

grant update on "sestevez".supervisa to "isu_adm_est" as "sestevez";

grant insert on "sestevez".supervisa to "isu_adm_est" as "sestevez";

grant select on "sestevez".supervisa to "isu_adm_sis" as "sestevez";

grant update on "sestevez".supervisa to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".supervisa to "isu_adm_sis" as "sestevez";

grant select on "sestevez".supervisa to "isu_auxiliar" as "sestevez";

grant update on "sestevez".supervisa to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".supervisa to "isu_auxiliar" as "sestevez";

grant select on "sestevez".controla to "gesquibel" as "sestevez";

grant update on "sestevez".controla to "gesquibel" as "sestevez";

grant insert on "sestevez".controla to "gesquibel" as "sestevez";

grant delete on "sestevez".controla to "gesquibel" as "sestevez";

grant alter on "sestevez".controla to "gesquibel" as "sestevez";

grant select on "sestevez".controla to "cgalvan" as "sestevez";

grant update on "sestevez".controla to "cgalvan" as "sestevez";

grant insert on "sestevez".controla to "cgalvan" as "sestevez";

grant delete on "sestevez".controla to "cgalvan" as "sestevez";

grant alter on "sestevez".controla to "cgalvan" as "sestevez";

grant select on "sestevez".controla to "isu_adm_est" as "sestevez";

grant update on "sestevez".controla to "isu_adm_est" as "sestevez";

grant insert on "sestevez".controla to "isu_adm_est" as "sestevez";

grant delete on "sestevez".controla to "isu_adm_est" as "sestevez";

grant select on "sestevez".controla to "isu_gerent" as "sestevez";

grant update on "sestevez".controla to "isu_gerent" as "sestevez";

grant insert on "sestevez".controla to "isu_gerent" as "sestevez";

grant delete on "sestevez".controla to "isu_gerent" as "sestevez";

grant select on "sestevez".controla to "isu_adm_sis" as "sestevez";

grant update on "sestevez".controla to "isu_adm_sis" as "sestevez";

grant insert on "sestevez".controla to "isu_adm_sis" as "sestevez";

grant delete on "sestevez".controla to "isu_adm_sis" as "sestevez";

grant select on "sestevez".controla to "isu_auxiliar" as "sestevez";

grant update on "sestevez".controla to "isu_auxiliar" as "sestevez";

grant insert on "sestevez".controla to "isu_auxiliar" as "sestevez";

grant delete on "sestevez".controla to "isu_auxiliar" as "sestevez";

revoke usage on language SPL from public ;

grant usage on language SPL to public ;

create unique index "cgalvan".ix105_1 on "cgalvan".cooperativa
(serie) using btree ;

alter table "cgalvan".cooperativa add constraint primary key
(serie) constraint "cgalvan".cooperativa ;

create unique index "cgalvan".ix107_3 on "cgalvan".retira (serie_coop)
using btree ;

create unique index "gesquibel".ix132_1 on "gesquibel".estado
(num) using btree ;

alter table "gesquibel".estado add constraint primary key (num)
constraint "sestevez".estado_pk ;

create unique index "sestevez".ix136_2 on "sestevez".hay (serie_tambo)
using btree ;

create unique index "gesquibel".ix106_1 on "gesquibel".tambo (serie)
using btree ;

alter table "gesquibel".tambo add constraint primary key (serie)
constraint "sestevez".tambo_pk ;

alter table "cgalvan".retira add constraint (foreign key (serie_coop)
references "cgalvan".cooperativa on delete cascade constraint
"sestevez".retira_coop_fk);

alter table "sestevez".posee add constraint (foreign key (serie_tanque)
references "cgalvan".tanque on delete cascade constraint
"sestevez".posee_tanque_fk);

alter table "cgalvan".almacena add constraint (foreign key (tipo)
references "cgalvan".leche on delete cascade constraint "sestevez"

.almacena_tipo_fk);

alter table "gesquibel".tiene add constraint (foreign key (serie)

references "gesquibel".tambo on delete cascade constraint

"sestevez".tiene_tam_fk);

alter table "gesquibel".personatel add constraint (foreign key

(ci) references "gesquibel".persona on delete cascade constraint

"gesquibel".ci_telefono_r);

alter table "gesquibel".se_da add constraint (foreign key (num_animal)

references "sestevez".animal

  on delete cascade constraint

"gesquibel".num_animal_r);

alter table "gesquibel".se_da add constraint (foreign key (num_alimento)

references "gesquibel".alimento on delete cascade constraint

"gesquibel".alimento_r);

alter table "sestevez".retorna add constraint (foreign key (numero_animal)

references "sestevez".animal on delete cascade constraint

"sestevez".num_ani_ret_fk);

alter table "gesquibel".proporciona add constraint (foreign key

(num) references "gesquibel".alimento on delete cascade constraint

"sestevez".prop_ali_fk);

alter table "sestevez".macho add constraint (foreign key (id_macho)

references "sestevez".animal on delete cascade constraint

"sestevez".id_macho_fk);

alter table "cgalvan".produce add constraint (foreign key (tipo_leche)

references "cgalvan".leche constraint "cgalvan".leche_pro);

alter table "cgalvan".produce add constraint (foreign key (id_hembra)

references "cgalvan".hembra on delete cascade constraint

"cgalvan".hembra_pro);

alter table "sestevez".retorna add constraint (foreign key (num_camp_re)
   references "sestevez".campo_de_recria on delete cascade constraint
   "sestevez".num_camp_re_fk);

alter table "gesquibel".pasa add constraint (foreign key (id_hembra)
   references "cgalvan".hembra on delete cascade constraint
   "sestevez".pasa_hem_fk);

alter table "sestevez".va add constraint (foreign key (num_camp_re)
   references "sestevez".campo_de_recria on delete cascade constraint
   "sestevez".num_camp_va_fk);

alter table "sestevez".vuelve add constraint (foreign key (id_hembra)
   references "cgalvan".hembra on delete cascade constraint
   "sestevez".id_hem_vuelve_fk);

alter table "sestevez".vuelve add constraint (foreign key (num_camp_re)
   references "sestevez".campo_de_recria on delete cascade constraint
   "sestevez".num_camp_vu_fk);

alter table "sestevez".hay add constraint (foreign key (numero_animal)
   references "sestevez".animal on delete cascade constraint
   "sestevez".hay_num_fk);

alter table "sestevez".posee add constraint (foreign key (serie_tambo)
   references "gesquibel".tambo on delete cascade constraint
   "sestevez".posee_tambo_fk);

alter table "cgalvan".hembra add constraint (foreign key (id_hembra)
   references "sestevez".animal on delete cascade constraint
   "cgalvan".idhembra_fk);

alter table "sestevez".cria add constraint (foreign key (numero_vaca,
   numero_macho,fecha) references "sestevez".evento on delete
   cascade constraint "sestevez".cria_fk);

alter table "sestevez".controla add constraint (foreign key (num_animal)

references "sestevez".animal on delete cascade constraint
    "sestevez".controla_num_fk);

alter table "sestevez".controla add constraint (foreign key (ci_personal)
    references "gesquibel".persona on delete cascade constraint
    "sestevez".controla_ci_fk);

alter table "sestevez".evento add constraint (foreign key (id_hembra)
    references "cgalvan".hembra on delete cascade constraint
    "sestevez".evento_h_fk);

alter table "sestevez".evento add constraint (foreign key (id_macho)
    references "sestevez".macho on delete cascade constraint
    "sestevez".evento_m_fk);

alter table "sestevez".va add constraint (foreign key (numero_cria)
    references "sestevez".cria on delete cascade constraint "sestevez"
    .num_cria_va_fk);

alter table "cgalvan".retira add constraint (foreign key (num_tanque)
    references "cgalvan".tanque on delete cascade constraint
    "sestevez".retira_tan_fk);

alter table "cgalvan".almacena add constraint (foreign key (num_serie)
    references "cgalvan".tanque on delete cascade constraint
    "sestevez".almacena_tan_fk);

alter table "gesquibel".proporciona add constraint (foreign key
    (serie) references "gesquibel".tambo on delete cascade constraint
    "sestevez".prop_tam_fk);

alter table "gesquibel".tiene add constraint (foreign key (ci)
    references "gesquibel".persona on delete cascade constraint
    "sestevez".tiene_pers_fk);

alter table "sestevez".supervisa add constraint (foreign key
    (ci) references "gesquibel".persona on delete cascade constraint

```
"sestevez".super_ci_fk);
alter table "sestevez".supervisa add constraint (foreign key
   (num_ordenie) references "sestevez".ordenie  on delete cascade
   constraint "sestevez".super_num_fk);
alter table "gesquibel".pasa add constraint (foreign key (num_estado)
   references "gesquibel".estado  on delete cascade constraint
   "sestevez".pasa_num_fk);
```