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data      Pv      jv
YEAR.dict      v      v
□      □      Extract      6

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data-file: COLUMNPROPS\_ACTIVE.data  
datatype: boolean  
default-value: t  
factory: builtin  
fixed: true  
name: COLUMNPROPS\_ACTIVE  
not-null: not-null  
size: 1

builtin: bit

















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file unique @O LQ collation:binary

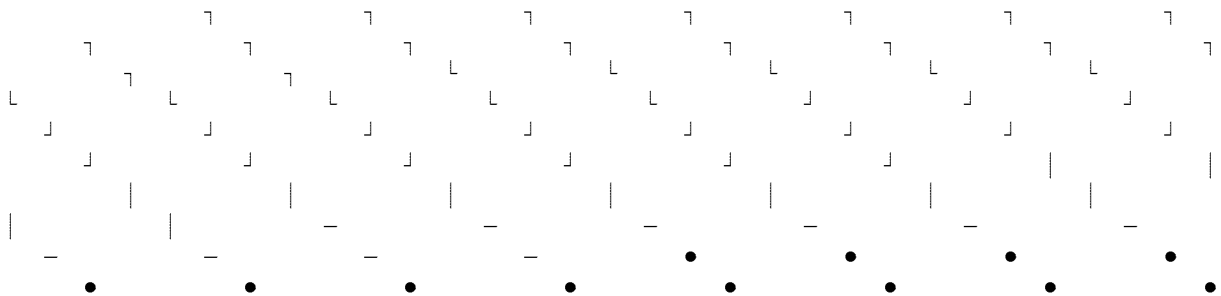
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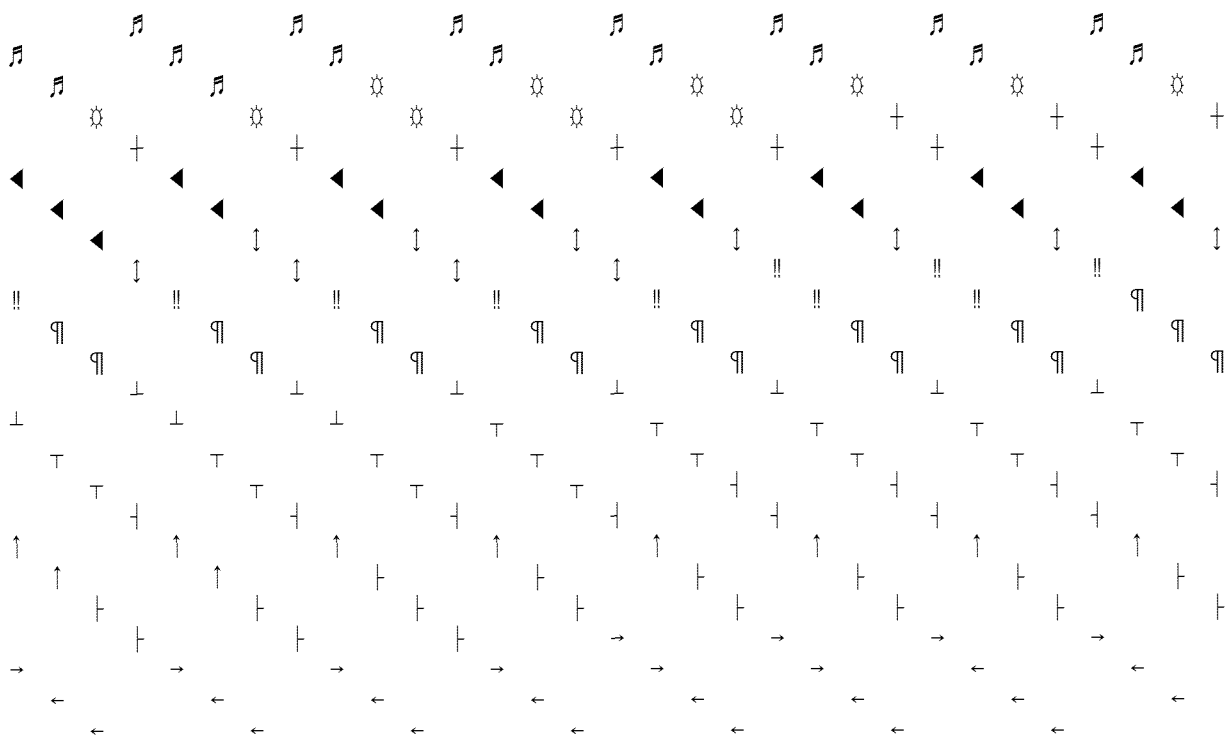
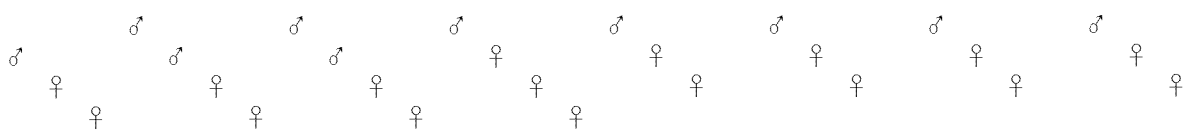
comparable:comparable
compression:heap
data-file:COLUMNPROPS_KEY.data
datatype:usr
dict-file:COLUMNPROPS_KEY.dict
distinct:distinct
factory:varchar
fixed:false
name:COLUMNPROPS_KEY
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:COLUMNPROPS_KEY.type

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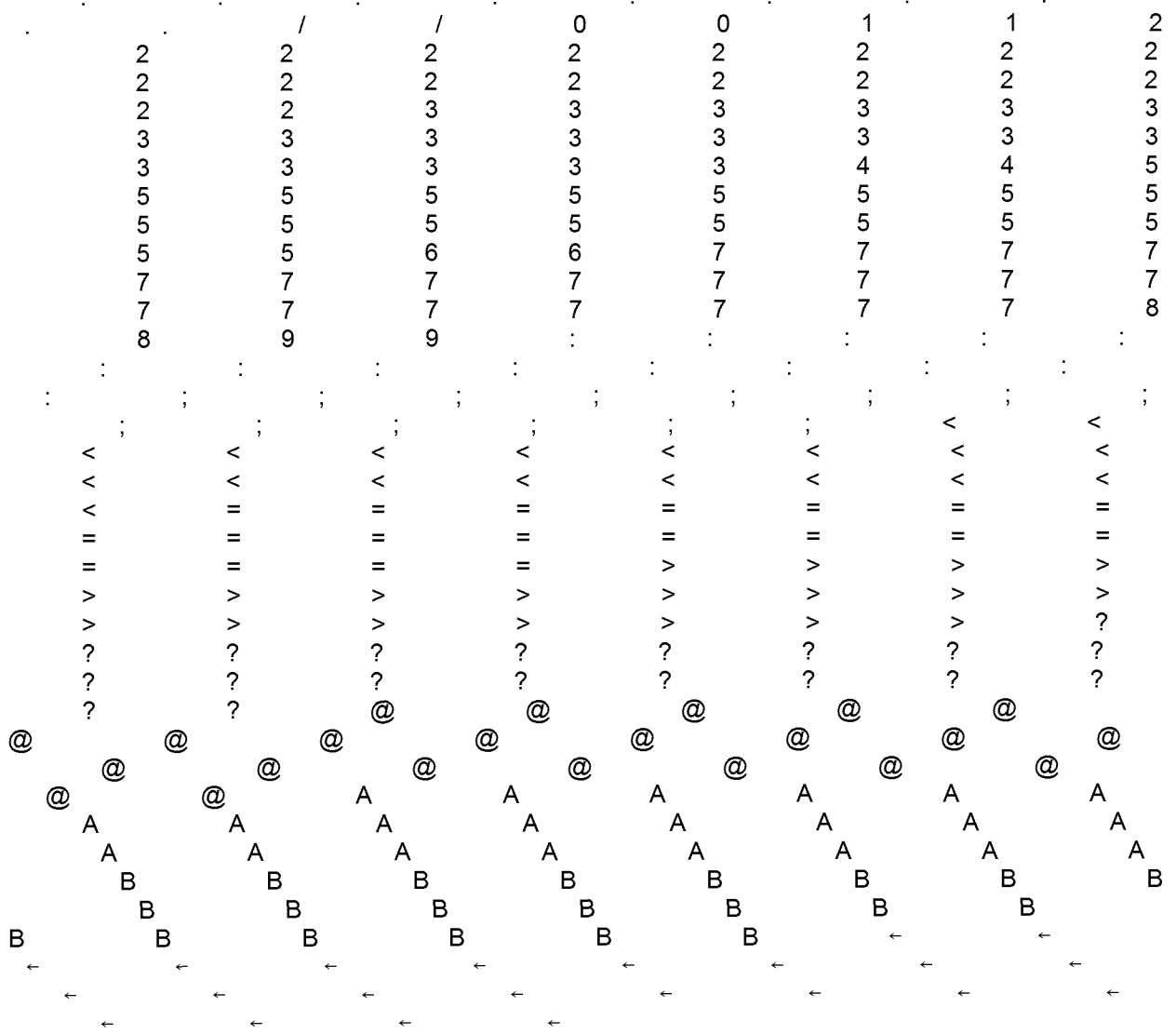






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2. □ x/ x- F/ □ | Z-  
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| p. > / F/ - Z- 2. b □ x/ f  
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□Я ↗ ♂♂ F/ □ - ♀ '2005' ♀ '2012' '<?xml  
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>\n\n<datasource formatted-  
name=\ 'oracle.41064.729329062502\ '  
inline=\ 'true\ '  
versio↑ 'ALAMEDA' ♯ 'AREA2' L' Agricultura  
l Manuf. &  
Transportation' ¶ 'BERKELEY' < 'Wastewate  
r & Water Treatment'  
'tds' ⌋ 0,0.00030358227079538557,0.0004  
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056926355390377\*0.001446032971257099  
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5&0.15086909815200303&0.288776943505  
64398&0.37133060140492496&0.69713499  
870094331 ⌋ 1 ⌋ 10 - 100 □ 1020 - 105 ¶ 1073741  
823 ⌋ 11 - 114 ⌋ 12 - 127 - 128 - 129 ⌋ 13 - 132 - 1  
38 ⌋ 14 ⌋ 15 ⌋ 16 ⌋ 17 ⌋ 18 ⌋ 19 ⌋ 2 ⌋ 20 ¶ 2005 - 01 -  
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01 ⌋ 21 ⌋ 22 ⌋ 23 ⌋ 24 ⌋ 25 - 255 ⌋ 26 ⌋ 27 ⌋ 28 ⌋ 29 ⌋  
3 ⌋ 30 ⌋ 31 ⌋ 32 ⌋ 33 ⌋ 34 ⌋ 35 ⌋ 36 ⌋ 37 ⌋ 38 ⌋ 39 ⌋ 4 ⌋  
40 - 400 ¶ 4294967292 ⌋ 5 - 508 ⌋ 6 ⌋ 7 ⌋ 8 ⌋ 80 ⌋ 9  
⌋ 92 ⌋ 95 ⌋ 97 □ AREA ↑ AREA.1.data ↑ AREA.1.  
dict ↑ AREA.data ↑ AREA.dict ↑ AVG\_KWH\_RAN  
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CTIVE.type ¶ COLUMNS\_ID COLUMNS\_ID.da  
ta COLUMNS\_ID.type ↑ COLUMNS\_NAME "CO  
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M_AVG_MBTU.1.data8MULTIYEAR_NORM_A
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NORM_GAS_SA.1.data4MULTIYEAR_NORM_
GAS_SA.data4MULTIYEAR_NORM_GAS_SA.
dict2MULTIYEAR_NORM_TOTAL_MBTU@MUL
TIYEAR_NORM_TOTAL_MBTU.1.data<MULT
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NORM_TOTAL_MTCO2BMULTIYEAR_NORM_T
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TAL_MTCO2.dict↑NORM_AVG_KWH&NORM_A
VG_KWH.1.data"NORM_AVG_KWH.data→NO
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M . 1 . data " NORM _ AVG _ THM . data " NORM _ AV
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E . data , SCHEMAPROPS _ VALUE . dict , SCHEM
APROPS _ VALUE . type SCHEMAS _ ACTIVE &
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HEMAS _ ID . type ↑ SCHEMAS _ NAME " SCHEMA
S _ NAME . data " SCHEMAS _ NAME . dict " SCHEM
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VE . type → TABLEPROPS _ ID $ TABLEPROPS _ I
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PS _ KEY & TABLEPROPS _ KEY . data & TABLEPRO
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LEPROPS _ PARENT , TABLEPROPS _ PARENT .
data , TABLEPROPS _ PARENT . type
TABLEPROPS _ VALUE * TABLEPROPS _ VALUE
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OPS _ VALUE . type → TABLES _ ACTIVE $ TABLE
S _ ACTIVE . data $ TABLES _ ACTIVE . type ↑ TA
BLES _ ID TABLES _ ID . data TABLES _ ID . typ
e ↑ TABLES _ NAME TABLES _ NAME . data
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TOTAL _ KWH _ RANK * TOTAL _ KWH _ RANK . 1 . d
ata & TOTAL _ KWH _ RANK . data & TOTAL _ KWH _
RANK . dict TOTAL _ MBTU _ RANK , TOTAL _ MB
TU _ RANK . 1 . data ( TOTAL _ MBTU _ RANK . data

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.1.data * TOTAL_MTCO2_RANK.data * TOTAL
_MTCO2_RANK.dict TOTAL_THM_RANK * TO
TAL_THM_RANK.1.data & TOTAL_THM_RANK
.data & TOTAL_THM_RANK.dict + TOT_CITY
TOT_CITY.1.data TOT_CITY.1.dict - TOT_
CITY.data - TOT_CITY.dict ¶ TOT_COUNTY"
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TOT_COUNTY.data TOT_COUNTY.dict □ YE
AR_T_YEAR.1.data_T_YEAR.1.dict ↓ YEAR.data
↓ YEAR.dict
array - asc ♀ bigint ♀ binary - bit ♂ boolean ♂ b
uiltin, clob(1) collate
binary ¶ comparable □ date + distinct ♀ doubl
e
false
float □ heap
index ♂ integer - key ¶ key.1.data ¶ key.1.di
ct + key.data + key.dict + not -
null - oid □ real ¶ tiny □ true ♀ unique - usr
value ↑ value.1.data ↑ value.1.dict ¶ value.
data ¶ value.dict ♂ varchar8 varchar(10,1)
collate binary: varchar(100,1) collate
binary: varchar(127,2) collate
binary: varchar(255,1) collate
binary8 varchar(32,1) collate binary

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collation:binary
comparable:comparable
compression:heap
data-file:COLUMNPROPS_VALUE.data
datatype:usr
dict-file:COLUMNPROPS_VALUE.dict
distinct:distinct
factory:varchar
fixed:false
name:COLUMNPROPS_VALUE
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:COLUMNPROPS_VALUE.type

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L@=1 >1
L♀ ↑ COLUMNPROPS_ACTIVE.data @ Z
J ↑ COLUMNPROPS_ACTIVE.type 0
¶ COLUMNPROPS_ID.data @ □ Z
□ ¶ COLUMNPROPS_ID.type + □ *
□ ⊥ COLUMNPROPS_KEY.data
O :O ⊥ COLUMNPROPS_KEY.dict PQ
jQ ⊥ COLUMNPROPS_KEY.type ↓ j
↑ COLUMNPROPS_PARENT.data Ю
□ ↑ COLUMNPROPS_PARENT.type
□ ↓ COLUMNPROPS_VALUE.data ♂1
♂1 ↓ COLUMNPROPS_VALUE.dict

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C O L U M N P R O P S \_ V A L U E . t y p e >

built-in:bit  
data-file:COLUMNS\_ACTIVE.data  
datatype:boolean  
default-value:t  
factory:builtin  
fixed:true  
name:COLUMNS\_ACTIVE  
not-null:not-null  
size:1  
type:bit  
type-file:COLUMNS\_ACTIVE.type

! " # \$ % & ' ( ) \* + , - . / 0 1 2 3 4 5 6 7 8 9 : ; < = > ? @ A B C D E

built-in:oid  
data-file:COLUMNS\_ID.data  
datatype:index  
factory:builtin  
fixed:true  
name:COLUMNS\_ID  
not-null:not-null  
size:8  
type:oid  
type-file:COLUMNS\_ID.type

PH AREA AVG\_KWH\_RANK →  
AVG\_MBTU\_RANK AVG\_MTCO2\_RANK ↑ AVG  
\_THM\_RANK \$ COLUMNPROPS\_ACTIVE COLU  
MNPPOPS\_ID COLUMNPROPS\_KEY \$ COLUM  
NPROPS\_PARENT " COLUMNPROPS\_VALUE C  
OLUMNS\_ACTIVE ¶ COLUMNS\_ID ↑ COLUMNS\_  
NAME COLUMNS\_PARENT ♂ DUAL\_ID † Date Y

ear↑ ELEC\_SA\_RANK(GAS\_AND\_ELEC\_SA\_RANK↑ GAS\_SA\_RANK MARKET\_SEGMENT2MULTIYEAR\_NORM\_ANNUAL\_KWH2MULTIYEAR\_NORM\_ANNUAL\_THM, MULTIYEAR\_NORM\_AVG\_KWH. MULTIYEAR\_NORM\_AVG\_MBTU0MULTIYEAR\_NORM\_AVG\_MTCO2, MULTIYEAR\_NORM\_AVG\_THM, MULTIYEAR\_NORM\_ELEC\_SA8MULTIYEAR\_NORM\_GASANDELEC\_SA \* MULTIYEAR\_NORM\_GAS\_SA2MULTIYEAR\_NORM\_TOTAL\_MBTU4MULTIYEAR\_NORM\_TOTAL\_MTCO2↑ NORM\_AVG\_KWH→ NORM\_AVG\_MBTU NORM\_AVG\_MTCO2↑ NORM\_AVG\_THM↑ NORM\_ELEC\_SA\$NORM\_GASANDELEC\_SA↑ NORM\_GAS\_SA \* NORM\_TOTAL\_ANNUAL\_KWH \* NORM\_TOTAL\_ANNUAL\_THM NORM\_TOTAL\_MBTU NORM\_TOTAL\_MTCO2"Number of Records - One\$SCHEMAPROPS\_ACTIVE SCHEMAPROPS\_ID SCHEMAPROPS\_KEY\$SCHEMAPROPS\_PARENT"SCHEMAPROPS\_VALUE SCHEMAS\_ACTIVE¶ SCHEMAS\_ID↑ SCHEMAS\_NAME"TABLEPROPS\_ACTIVE→ TABLEPROPS\_ID TABLEPROPS\_KEY"TABLEPROPS\_PARENT TABLEPROPS\_VALUE→ TABLES\_ACTIVE↓ TABLES\_ID↑ TABLES\_NAME→ TABLES\_PARENT TOTAL\_KWH\_RANK TOTAL\_MBTU\_RANK TOTAL\_MTCO2\_RANK TOTAL\_THM\_RANK↑ TOT\_CITY¶ TOT\_COUNTY□ YEAR - key value □pH₁ ↑Q₁ collation:binary  
comparable:comparable  
compression:heap  
data-file:COLUMNS\_NAME.data  
datatype:usr  
dict-file:COLUMNS\_NAME.dict  
distinct:distinct  
factory:varchar  
fixed:false  
name:COLUMNS\_NAME  
not-null:not-null  
precision:127  
scale:2  
size:508  
storagewidth:8  
type:varchar(127,2) collate binary  
type-file:COLUMNS\_NAME.type

□@Q₁ |R₁  
L L L J J J L L  
| | | - - - - | |  
• • • • • • • • • • • • • •  
• • • • • • • • • • • • • •  
• • • • • • • • • • • • • •  
□ □ •

□ R<sub>1</sub>      Д<sub>1</sub>      builtin:oid

data-file:COLUMNS\_PARENT.data  
datatype:index  
factory:builtin  
fixed:true  
name:COLUMNS\_PARENT  
not-null:not-null  
size:8  
type:oid  
type-file:COLUMNS\_PARENT.type

□ □      U<sub>1</sub>      □  
□ □      C O L U M N S \_ A C T I V E . d a t a      † B<sub>1</sub>      \* B<sub>1</sub>  
□ □      C O L U M N S \_ A C T I V E . t y p e      □  
C<sub>1</sub>      †      C O L U M N S \_ I D . d a t a      @ E<sub>1</sub>      Z E<sub>1</sub>      †      C  
O L U M N S \_ I D . t y p e      F<sub>1</sub>      → F<sub>1</sub>      ↓      C O L U M N S \_  
N A M E . d a t a      P H<sub>1</sub>      j H<sub>1</sub>      ↓      C O L U M N S \_ N A M E . d  
i c t  
Q<sub>1</sub>      : Q<sub>1</sub>      ↓      C O L U M N S \_ N A M E . t y p e      R<sub>1</sub>      R  
γ      □      C O L U M N S \_ P A R E N T . d a t a      Д<sub>1</sub>  
ψ      □      C O L U M N S \_ P A R E N T . t y p e      U<sub>1</sub>      U<sub>1</sub>  
                         □ 3<sub>1</sub>      □ γ      builtin:oid

data-file:DUAL\_ID.data  
datatype:index  
factory:builtin  
fixed:true  
name:DUAL\_ID  
not-null:not-null  
size:8  
type:oid  
type-file:DUAL\_ID.type

□ X<sub>1</sub>      X<sub>1</sub>      □  
D U A L \_ I D . d a t a      ○      □  
D U A L \_ I D . t y p e      X<sub>1</sub>      X<sub>1</sub>  
□ 0 Y<sub>1</sub>      4 Y<sub>1</sub>      builtin:bit

data-file:SCHEMAPROPS\_ACTIVE.data  
datatype:boolean  
default-value:t  
factory:builtin  
fixed:true  
name:SCHEMAPROPS\_ACTIVE  
not-null:not-null  
size:1  
type:bit  
type-file:SCHEMAPROPS\_ACTIVE.type

□ Y<sub>1</sub>      & Z<sub>1</sub>      γ      L  
□ P Z<sub>1</sub>      p Z<sub>1</sub>      builtin:oid

data-file:SCHEMAPROPS\_ID.data  
datatype:index  
factory:builtin  
fixed:true  
name:SCHEMAPROPS\_ID  
not-null:not-null  
size:8  
type:oid  
type-file:SCHEMAPROPS\_ID.type

□ Z<sub>1</sub> 8<sub>1</sub>  
 □ `<sub>1</sub> <sub>1</sub>  
 □ <sub>1</sub> <sub>1</sub>  
 comparable:comparable  
 compression:heap  
 data-file:SCHEMAPROPS\_KEY.data  
 datatype:usr  
 dict-file:SCHEMAPROPS\_KEY.dict  
 distinct:distinct  
 factory:vchar  
 fixed:false  
 name:SCHEMAPROPS\_KEY  
 not-null:not-null  
 precision:127  
 scale:2  
 size:508  
 storagewidth:8  
 type:vchar(127,2) collate binary  
 type-file:SCHEMAPROPS\_KEY.type

↑ data - file □ name  
 collation:binary

□ ô ( <sub>1</sub>  
 □ P<sub>1</sub> p<sub>1</sub>  
 data-file:SCHEMAPROPS\_PARENT.data  
 datatype:index  
 factory:builtin  
 fixed:true  
 name:SCHEMAPROPS\_PARENT  
 not-null:not-null  
 size:8  
 type:oid  
 type-file:SCHEMAPROPS\_PARENT.type

builtin:oid

□ ]<sub>1</sub> D<sup>^</sup><sub>1</sub>  
 □ p<sup>^</sup><sub>1</sub> <sup>^</sup><sub>1</sub>  
 □ <sup>^</sup><sub>1</sub> ð<sub>1</sub>  
 comparable:comparable  
 compression:heap  
 data-file:SCHEMAPROPS\_VALUE.data  
 datatype:usr  
 dict-file:SCHEMAPROPS\_VALUE.dict  
 distinct:distinct  
 factory:vchar  
 fixed:false  
 name:SCHEMAPROPS\_VALUE  
 not-null:not-null  
 precision:127  
 scale:2  
 size:508  
 storagewidth:8  
 type:vchar(127,2) collate binary  
 type-file:SCHEMAPROPS\_VALUE.type

† †  
 † E x t r a c t - S Y S  
 collation:binary

□ □ @<sub>1</sub>  
 □ ♀ ↑ S C H E M A P R O P S \_ A C T I V E . d a t a @Y<sub>1</sub> Z  
 Y<sub>1</sub> ↑ S C H E M A P R O P S \_ A C T I V E . t y p e 0Z<sub>1</sub>  
 JZ<sub>1</sub> ¶ S C H E M A P R O P S \_ I D . d a t a pZ<sub>1</sub> Z<sub>1</sub>

```

SCHEMAPROPS_ID.type @ Z
CHEMAPROPS_KEY.data [ [ Z
MAPROPS_KEY.dict ← [ S
PROPS_KEY.type 0] J] ↑ SCHEMA
PROPS_PARENT.data p] ] ↑ SCHEMA
OPS_PARENT.type P^ j^ } SCHEMA
OPS_VALUE.data ^ ^ } SCHEMA
OPS_VALUE.dict O} } SCHEMA
SCHEMAPROPS_VALUE.type @` Z
      pc rc builtin:bit

```

```

data-file:SCHEMAS_ACTIVE.data
datatype:boolean
default-value:t
factory:builtin
fixed:true
name:SCHEMAS_ACTIVE
not-null:not-null
size:1
type:bit
type-file:SCHEMAS_ACTIVE.type

```

```

c Zd
d d builtin:oid

```

```

data-file:SCHEMAS_ID.data
datatype:index
factory:builtin
fixed:true
name:SCHEMAS_ID
not-null:not-null
size:8
type:oid
type-file:SCHEMAS_ID.type

```

```

d Le
pe e Extract - SYS
e e collation:binary

```

```

comparable:comparable
compression:heap
data-file:SCHEMAS_NAME.data
datatype:usr
dict-file:SCHEMAS_NAME.dict
distinct:distinct
factory:varchar
fixed:false
name:SCHEMAS_NAME
not-null:not-null
precision:127
scale:2
size:508
storagewidth:8
type:varchar(127,2) collate binary
type-file:SCHEMAS_NAME.type

```

```

g SCHEMAS_ACTIVE.data c c
SCHEMAS_ACTIVE.type `d zd + SC
HEMAS_ID.data d d + SCHEMAS_ID
.type Pe je ↓ SCHEMAS_NAME.data
e e ↓ SCHEMAS_NAME.dict % ۞

```



S C H E M A S \_ N A M E . t y p e

data-file:TABLEPROPS\_ACTIVE.data  
datatype:boolean  
default-value:t  
factory:builtin  
fixed:true  
name:TABLEPROPS\_ACTIVE  
not-null:not-null  
size:1  
type:bit  
type-file:TABLEPROPS\_ACTIVE.type

data-file:TABLEPROPS\_ID.data  
datatype:index  
factory:builtin  
fixed:true  
name:TABLEPROPS\_ID  
not-null:not-null  
size:8  
type:oid  
type-file:TABLEPROPS\_ID.type

data-file:TABLEPROPS\_KEY.data  
datatype:usr  
dict-file:TABLEPROPS\_KEY.dict  
distinct:distinct  
factory:varchar  
fixed:false  
name:TABLEPROPS\_KEY  
not-null:not-null  
precision:127  
scale:2  
size:508  
storagewidth:8  
type:varchar(127,2) collate binary  
type-file:TABLEPROPS\_KEY.type

data-file:TABLEPROPS\_PARENT.data



type-file:TABLES\_ACTIVE.type

□ u<sub>1</sub> Gv<sub>1</sub> - • □  
□pv<sub>1</sub> v<sub>1</sub> builtin:oid  
data-file:TABLES\_ID.data  
datatype:index  
factory:builtin  
fixed:true  
name:TABLES\_ID  
not-null:not-null  
size:8  
type:oid  
type-file:TABLES\_ID.type

□o. yw<sub>1</sub> T " : J d |  
□ w<sub>1</sub>

歧

\$ T a b l e a u M e t a d a t a T C O L U M N P R O P S S C O L U M  
N S □ D U A L ↗ E x t r a c t T S C H E M A P R O P S S C H E M  
A S ¶ T A B L E P R O P S ♀ T A B L E S  
□+ x<sub>1</sub> 8<sub>1</sub> collation:binary

comparable:comparable  
compression:heap  
data-file:TABLES\_NAME.data  
datatype:usr  
dict-file:TABLES\_NAME.dict  
distinct:distinct  
factory:varchar  
fixed:false  
name:TABLES\_NAME  
not-null:not-null  
precision:127  
scale:2  
size:508  
storagewidth:8  
type:varchar(127,2) collate binary  
type-file:TABLES\_NAME.type

□w ↑ z<sub>1</sub>

□@z<sub>1</sub> z<sub>1</sub> builtin:oid  
data-file:TABLES\_PARENT.data  
datatype:index  
factory:builtin  
fixed:true  
name:TABLES\_PARENT  
not-null:not-null  
size:8  
type:oid  
type-file:TABLES\_PARENT.type

□ z<sub>1</sub> U{<sub>1</sub> □  
!! T A B L E S \_ A C T I V E . d a t a pu<sub>1</sub> u<sub>1</sub> !!  
E S \_ I D . d a t a 6<sub>1</sub> J<sub>1</sub> □ T A B L E S \_ I D . t y p e  
w<sub>1</sub> w<sub>1</sub> ◀ T A B L E S \_ N A M E . d a t a □

```

x1      ◀ TABLES_NAME.dict 81      ↓1      ◀ TA
BLES_NAME.type
z1      :z1      !! TABLES_PARENT.data z1      z1
      !! TABLES_PARENT.type `1      z1

┌•   ♀ COLUMNPROPS >1      1      ▣ COLUMN
S   ⊥1      û1      | DUAL ↑1      $Y1      ♀ SCHEMA
PROPS ``1      pc1      ▣ SCHEMAS @g1      Ш1
♂ TABLEPROPS `1      Xu1      • TABLES {1

┌L  v1
t   ⌘ .database.type P      j      ▣ Extrac
      ↓      SYS }1      ~1

```