

A ginger and white kitten is wrapped in a large ball of blue yarn. The kitten's eyes are closed, and it appears to be resting or sleeping. The background is a plain, light-colored wall.

ALL UR TUPLES R BELONG TO ME

Record Overhead



Tuple Header	23
XMIN	4
XMAX	4
CID/XVAC	4
CTID	6
Infomask	4
t_hoff	1

Null Bitmap	1+
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Tuple Data	...
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Fixed Size

integer (int2, int4, int8)

point, line, lseg, box

float4, float8

date, time, timestamp

uuid, bool

...

Variable Size

text, varchar, char(n), bytea

all arrays, all ROW()s

path, polygon

numeric

xml, inet, cidr

...

NULLs

Padding

```
CREATE TABLE films (  
  code          char(4) PRIMARY KEY,  
  title         varchar(40) NOT NULL,  
  released      date,  
  in_stock     boolean,  
  review       text,  
  price        double,  
);
```

```
INSERT INTO films  
VALUES (  
  'A123', 'Pulp Fiction',  
  '1994-10-21', 't', NULL, 19.99  
);
```

23 + 1 + 5 + 13 + 2 + 4 + 1 + 0 + 7 + 8 = 64

UR
DISCS IZ
FULL!



Padding

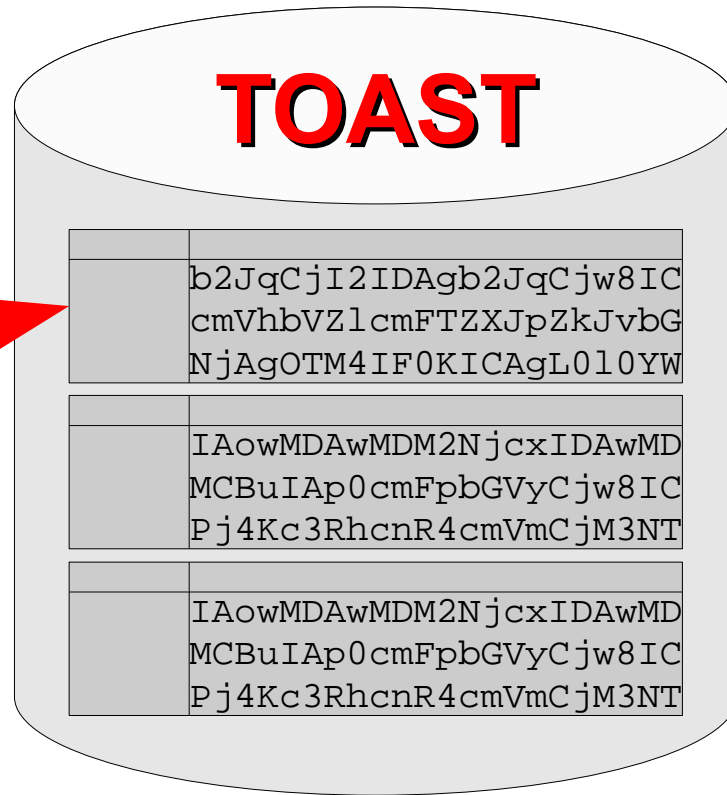
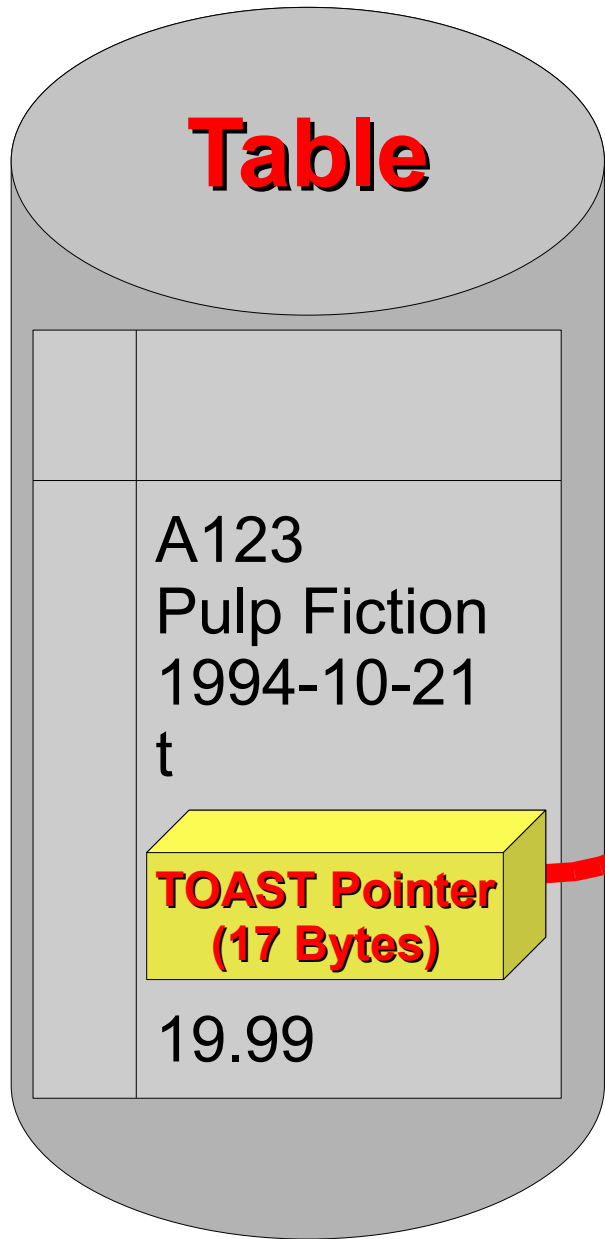
```
CREATE TABLE films (  
  price          double,  
  released       date,  
  in_stock       boolean,  
  code           char(4) PRIMARY KEY,  
  title          varchar(40) NOT NULL,  
  review         text,  
);
```

```
INSERT INTO films  
VALUES (  
  19.99, '1994-10-21', 't',  
  'A123', 'Pulp Fiction', NULL  
);
```

$$23 + 1 + 8 + 4 + 1 + 5 + 13 + 0 + 1 = 56$$

**NO MORE
COMPRESSUN
PLZ**





Handy Tools and Tips

```
SELECT pg_relation_size('films');  
SELECT pg_total_relation_size('films');  
  
SELECT pg_column_size(review) FROM films  
SELECT pg_column_size(films.*) FROM films
```

More Information

<http://www.postgresql.org/docs/8.3/static/datatype.html>

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KTHXBYE!