

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



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

<b>Null Bitmap</b>	<b>1+</b>
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<b>Tuple Data</b>	<b>...</b>
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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(5) PRIMARY KEY,  
  title         varchar(40) NOT NULL,  
  released      date,  
  in_stock     boolean,  
  review       text,  
  price        double,  
);
```

```
INSERT INTO films  
VALUES (  
  'A1234', 'Pulp Fiction',  
  '1994-10-21', 't', NULL, 19.99  
);
```

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

UR  
DISCS IZ  
FULL!



