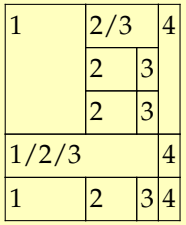
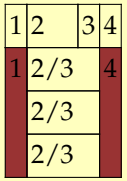
Natural Tables

in ConTEXt

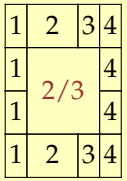
Examples




```
\bTABLE
\bTR \bTD[nr=3] 1 \eTD \bTD[nc=2] 2/3     \eTD \bTD[nr=3] 4 \eTD \eTR
\bTR                  \bTD 2 \eTD \bTD 3 \eTD                   \eTR
\bTR                  \bTD 2 \eTD \bTD 3 \eTD                   \eTR
\bTR \bTD[nc=3] 1/2/3                   \eTD \bTD 4       \eTD \eTR
\bTR \bTD 1       \eTD \bTD 2 \eTD \bTD 3 \eTD \bTD 4       \eTD \eTR
\eTABLE
```




```
\setupTABLE[1,4][2][background=color,backgroundcolor=red]
\bTABLE
\bTR \bTD 1       \eTD \bTD 2 \eTD \bTD 3 \eTD \bTD 4       \eTD \eTR
\bTR \bTD[nr=3] 1 \eTD \bTD[nc=2] 2/3     \eTD \bTD[nr=3] 4 \eTD \eTR
\bTR                   \bTD[nc=2] 2/3     \eTD                   \eTR
\bTR                   \bTD[nc=2] 2/3     \eTD                   \eTR
\eTABLE
```




```
\bTABLE[align={middle,lohi}]
\bTR \bTD 1 \eTD \bTD 2 \eTD \bTD 3 \eTD            \bTD 4 \eTD \eTR
\bTR \bTD 1 \eTD \bTD[nr=2,nc=2,color=red] 2/3 \eTD \bTD 4 \eTD \eTR
\bTR \bTD 1 \eTD                                    \bTD 4 \eTD \eTR
\bTR \bTD 1 \eTD \bTD 2 \eTD \bTD 3 \eTD            \bTD 4 \eTD \eTR
\eTABLE
```

aa	xx	cc
bb		dd

aa	xx	cc	yy
bb		dd	

```
\hbox \bgroup \ignorespaces

\bTABLE
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD cc \eTD \eTR
\bTR \bTD bb \eTD                    \bTD dd \eTD \eTR
\eTABLE

\unskip \quad \ignorespaces

\bTABLE
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD cc \eTD \bTD yy \eTD \eTR
\bTR \bTD bb \eTD                    \bTD dd \eTD              \eTR
\eTABLE

\unskip \egroup
```

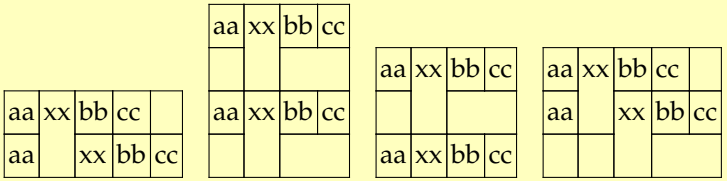
a	bb	ccc	dd	e
a	bb	ccc	dd	e
a	bb	ccc	dd	e
a	bb	ccc	dd	e
a	bb	ccc	dd	e
a	bb	ccc	dd	e
a	bb	ccc	dd	e

```
\setupTABLE[column][odd][background=color,backgroundcolor=red]
\setupTABLE[row][odd][background=color,backgroundcolor=blue]
\setupTABLE[even][odd][background=color,backgroundcolor=red]

\bTABLE
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\bTR \bTD a \eTD \bTD bb \eTD \bTD ccc \eTD \bTD dd \eTD \bTD e \eTD \eTR
\eTABLE
```

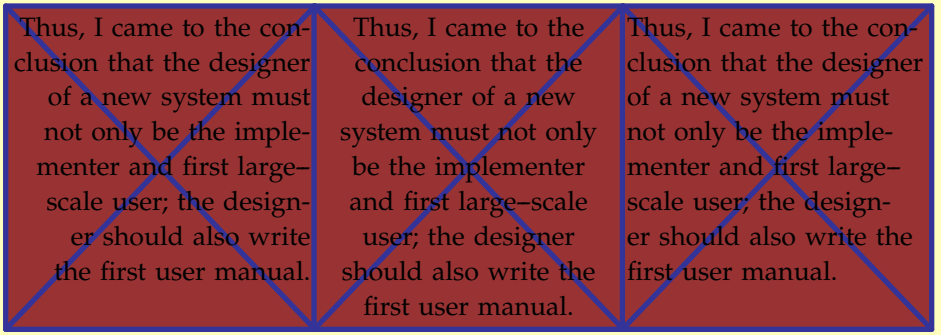
aa	bbb	cc	d	eeee
aa	bbb	cc	d	eeee
aa	bbb	cc	d	eeee

aa	bbb	cc	d	eeee
aa	bbb	cc	d	eeee
aa	bbb	cc	d	eeee

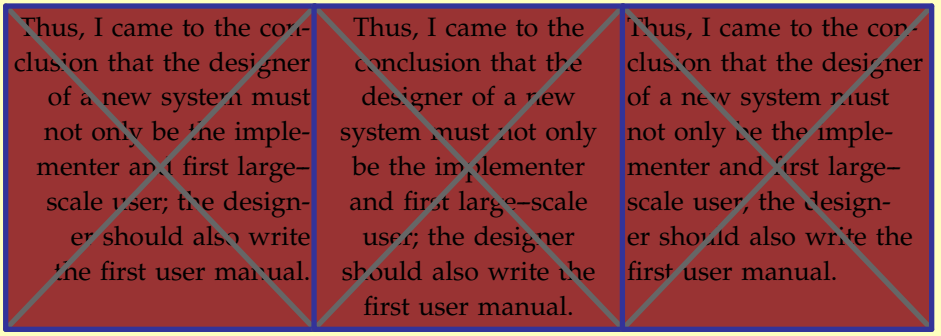
```
\hbox \bgroup \ignorespaces

\bTABLE
\setupTABLE[column][1][width=2cm]
\bTR \bTD aa \eTD \bTD bbb \eTD \bTD cc \eTD \bTD d \eTD \bTD eeee \eTD \eTR
\bTR \bTD aa \eTD \bTD bbb \eTD \bTD cc \eTD \bTD d \eTD \bTD eeee \eTD \eTR
\bTR \bTD aa \eTD \bTD bbb \eTD \bTD cc \eTD \bTD d \eTD \bTD eeee \eTD \eTR
\eTABLE

\unskip \quad \ignorespaces

\bTABLE
\setupTABLE[column][width=3em]
\bTR \bTD aa \eTD \bTD bbb \eTD \bTD cc \eTD \bTD d \eTD \bTD eeee \eTD \eTR
\bTR \bTD aa \eTD \bTD bbb \eTD \bTD cc \eTD \bTD d \eTD \bTD eeee \eTD \eTR
\bTR \bTD aa \eTD \bTD bbb \eTD \bTD cc \eTD \bTD d \eTD \bTD eeee \eTD \eTR
\eTABLE

\unskip \egroup
```




```
\hbox \bgroup \ignorespaces

\bTABLE
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR
\eTABLE

\unskip \quad \ignorespaces

\bTABLE
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR \bTR \eTR
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR \bTR \eTR
\eTABLE

\unskip \quad \ignorespaces

\bTABLE
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR \bTR \eTR
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR
\eTABLE

\unskip \quad \ignorespaces

\bTABLE
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR
\bTR \bTD aa \eTD \bTD[nr=2] xx \eTD \bTD bb \eTD \bTD cc \eTD \eTR \bTR \eTR
\eTABLE

\unskip \egroup
```




```
\startuniqueMPgraphic{crossed}
  path p ; p := unitsquare xscaled \overlaywidth yscaled \overlayheight ;
  fill p withcolor \MPcolor{red} ;
  drawoptions (withpen pencircle scaled 2pt withcolor \MPcolor{blue}) ;
  draw p ; draw llcorner p--urcorner p ; draw ulcorner p--lrcorner p ;
\stopuniqueMPgraphic

\defineoverlay[crossed][\uniqueMPgraphic{crossed}]

\bTABLE[width=.2\textwidth,background=crossed,frame=off]
\bTR \bTD[align=left]   \getbuffer[knuth-1] \eTD
     \bTD[align=middle] \getbuffer[knuth-1] \eTD
     \bTD[align=right]  \getbuffer[knuth-1] \eTD \eTR
\eTABLE
```




```
\startuniqueMPgraphic{fill}
  path p ; p := unitsquare xscaled \overlaywidth yscaled \overlayheight ;
  fill p withcolor \MPcolor{red} ;
\stopuniqueMPgraphic

\startuniqueMPgraphic{cross}
  path p ; p := unitsquare xscaled \overlaywidth yscaled \overlayheight ;
  drawoptions (withpen pencircle scaled 2pt withcolor \MPcolor{gray}) ;
  draw llcorner p--urcorner p ; draw ulcorner p--lrcorner p ;
  draw p withpen pencircle scaled 2pt withcolor \MPcolor{blue} ;
\stopuniqueMPgraphic

\defineoverlay[fill] [\uniqueMPgraphic{fill}]
\defineoverlay[cross][\uniqueMPgraphic{cross}]

\bTABLE[width=.2\textwidth,background={fill,foreground,cross},frame=off]
\bTR \bTD[align=left]   \getbuffer[knuth-1] \eTD
     \bTD[align=middle] \getbuffer[knuth-1] \eTD
     \bTD[align=right]  \getbuffer[knuth-1] \eTD \eTR
\eTABLE
```

first	alpha	one
second	beta	two
third	gamma	three

```
\setupTABLE[row][odd] [background=color,backgroundcolor=red,frame=off]
\setupTABLE[row][even][background=color,backgroundcolor=gray,frame=off]

\bTABLE
\bTR \bTD first  \eTD \bTD alpha \eTD \bTD one   \eTD \eTR
\bTR \bTD second \eTD \bTD beta  \eTD \bTD two   \eTD \eTR
\bTR \bTD third  \eTD \bTD gamma \eTD \bTD three \eTD \eTR
\eTABLE
```

a	α	i	1
b	β	ii	2
c	γ	iii	3

```
\setupTABLE[background=color,backgroundcolor=red,frame=off]
\setupTABLE[column][2][backgroundcolor=black,color=white]

\bTABLE
\bTR \bTD a \eTD \bTD $\alpha$ \eTD \bTD i   \eTD \bTD 1 \eTD \eTR
\bTR \bTD b \eTD \bTD $\beta $ \eTD \bTD ii  \eTD \bTD 2 \eTD \eTR
\bTR \bTD c \eTD \bTD $\gamma$ \eTD \bTD iii \eTD \bTD 3 \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	first
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	second

```
\bTABLE
\setupTABLE[column][1][width=175pt]
\bTR \bTD \getbuffer[knuth-1] \eTD
     \bTD \getbuffer[knuth-1] \eTD \bTD first  \eTD \eTR
\bTR \bTD \getbuffer[knuth-2] \eTD
     \bTD \getbuffer[knuth-2] \eTD \bTD second \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	first
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	second

```
\bTABLE
\bTR \bTD \getbuffer[knuth-1] \eTD
     \bTD \getbuffer[knuth-1] \eTD \bTD first  \eTD \eTR
\bTR \bTD \getbuffer[knuth-2] \eTD
     \bTD \getbuffer[knuth-2] \eTD \bTD second \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	first quote
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	second quote
But a system cannot be successful if it is too strongly influenced by a single person. Once the initial design is complete and fairly robust, the real test begins as people with many different viewpoints undertake their own experiments.	third quote

```
\bTABLE
\setupTABLE[background=color,backgroundcolor=red,color=gray,frame=off]
\setupTABLE[column][last][align={middle,lohi}]
\setupTABLE[1][2]  [backgroundcolor=gray,color=red]
\setupTABLE[2][1,3][backgroundcolor=gray,color=red]
\bTR \bTD \getbuffer[knuth-1] \eTD \bTD first quote  \eTD \eTR
\bTR \bTD \getbuffer[knuth-2] \eTD \bTD second quote \eTD \eTR
\bTR \bTD \getbuffer[knuth-3] \eTD \bTD third quote  \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	first
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	second

```
\bTABLE
\bTR \bTD[width=80pt]  \getbuffer[knuth-1] \eTD \bTD first  \eTD \eTR
\bTR \bTD[width=200pt] \getbuffer[knuth-2] \eTD \bTD second \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	first
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	secon
But a system cannot be successful if it is too strongly influenced by a single person. Once the initial design is complete and fairly robust, the real test begins as people with many different viewpoints undertake their own experiments.	third

```
\bTABLE
\bTR \bTD[width=80pt]  \getbuffer[knuth-1] \eTD \bTD first  \eTD \eTR
\bTR \bTD[width=200pt] \getbuffer[knuth-2] \eTD \bTD second \eTD \eTR
\bTR \bTD              \getbuffer[knuth-3] \eTD \bTD third  \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.
But a system cannot be successful if it is too strongly influenced by a single person. Once the initial design is complete and fairly robust, the real test begins as people with many different viewpoints undertake their own experiments.	Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.

```
\bTABLE
\bTR \bTD[nc=2] \getbuffer[knuth-1]                          \eTD \eTR
\bTR \bTD \getbuffer[knuth-2] \eTD \bTD \getbuffer[knuth-2] \eTD \eTR
\bTR \bTD \getbuffer[knuth-3] \eTD \bTD \getbuffer[knuth-1] \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.
But a system cannot be successful if it is too strongly influenced by a single person. Once the initial design is complete and fairly robust, the real test begins as people with many different viewpoints undertake their own experiments.	Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.

```
\bTABLE
\bTR \bTD[nc=5] \getbuffer[knuth-1]                                        \eTD \eTR
\bTR \bTD[nc=2] \getbuffer[knuth-2] \eTD \bTD[nc=3] \getbuffer[knuth-2] \eTD \eTR
\bTR \bTD[nc=3] \getbuffer[knuth-3] \eTD \bTD[nc=2] \getbuffer[knuth-1] \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.	
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.
But a system cannot be successful if it is too strongly influenced by a single person. Once the initial design is complete and fairly robust, the real test begins as people with many different viewpoints undertake their own experiments.	Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.

```
\bTABLE[width=.5\hsize]
\bTR \bTD[nc=2] \getbuffer[knuth-1]                          \eTD \eTR
\bTR \bTD \getbuffer[knuth-2] \eTD \bTD \getbuffer[knuth-2] \eTD \eTR
\bTR \bTD \getbuffer[knuth-3] \eTD \bTD \getbuffer[knuth-1] \eTD \eTR
\eTABLE
```

Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.		Thus, I came to the conclusion that the designer of a new system must not only be the implementer and first large–scale user; the designer should also write the first user manual.
The separation of any of these four components would have hurt TEX significantly. If I had not participated fully in all these activities, literally hundreds of improvements would never have been made, because I would never have thought of them or perceived why they were important.	first	
But a system cannot be successful if it is too strongly influenced by a single person. Once the initial design is complete and fairly robust, the real test begins as people with many different viewpoints undertake their own experiments.	second	

```
\bTABLE
\bTR \bTD[nc=2] \getbuffer[knuth-1] \eTD
     \bTD[nr=2] \getbuffer[knuth-1] \eTD \eTR
\bTR \bTD \getbuffer[knuth-2]       \eTD \bTD first  \eTD \eTR
\bTR \bTD \getbuffer[knuth-3]       \eTD \bTD second \eTD \eTR
\eTABLE
```

first	second	third	fourth
100.000,00	1,0	100.000,00	1,0
10.000,00	10,0	10.000,00	10,0
100,00	1,00	100,00	1,00
10	10,00	10	10,00

```
\setupTABLE                     [frame=off]
\setupTABLE[column][first]      [leftframe=on]
\setupTABLE[column][last]       [rightframe=on]
\setupTABLE[row]   [first]      [topframe=on]
\setupTABLE[row]   [first,last][bottomframe=on]

\setupTABLE[column][1][alignmentcharacter={.},aligncharacter=yes,align=middle]
\setupTABLE[column][2][alignmentcharacter={,},aligncharacter=yes,align=middle]

\bTABLE
\bTR\bTH first     \eTH\bTH second \eTH\bTH third     \eTH\bTH fourth\eTH\eTR
\bTR\bTD 100.000,00\eTD\bTD 1,0    \eTD\bTD 100.000,00\eTD\bTD 1,0   \eTD\eTR
\bTR\bTD 10.000,00 \eTD\bTD 10,0   \eTD\bTD 10.000,00 \eTD\bTD 10,0  \eTD\eTR
\bTR\bTD 100,00    \eTD\bTD 1,00   \eTD\bTD 100,00    \eTD\bTD 1,00  \eTD\eTR
\bTR\bTD 10        \eTD\bTD 10,00  \eTD\bTD 10        \eTD\bTD 10,00 \eTD\eTR
\eTABLE
```

aa	bb	cc	dd
aa	bb	cc	dd
aa	bb	cc	dd
aa	bb	cc	dd
aa	bb	cc	dd
aa	bb	cc	dd
aa	bb	cc	dd

```
\definecolor[back-1][r=.8,g=.8,b=.4]
\definecolor[back-2][r=.8,g=.8,b=.6]
\definecolor[back-3][r=.8,g=.8,b=.8]

\setupTABLE[background=color,frame=off,framecolor=white]
\setupTABLE[row][1]    [rulethickness=2pt,bottomframe=on]
\setupTABLE[row][1]    [backgroundcolor=back-1]
\setupTABLE[row][odd]  [backgroundcolor=back-2]
\setupTABLE[row][even] [backgroundcolor=back-3]

\bTABLE
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\bTR \bTD aa \eTD \bTD bb \eTD \bTD cc \eTD \bTD dd \eTD \eTR
\eTABLE
```

1/1	1/2	1/3	1/4	1/5
2/1	2/2	2/3	2/4	2/5
3/1 34/1	3/2	3/3	3/4	3/5
4/1	4/2	4/3	4/4	4/5

```
\setupTABLE[frame=off,width=3em]
\setupTABLE[c][each][align={middle,lohi}]
\setupTABLE[r][1,4][topframe=on]
\setupTABLE[r][3,4][bottomframe=on]
\setupTABLE[1,4][2][topframe=on,bottomframe=on]
\setupTABLE[2][2][topframe=on]
\setupTABLE[3][2][bottomframe=on]

\bTABLE
\bTR\bTD1/1\eTD               \bTD1/2\eTD\bTD1/3\eTD\bTD1/4\eTD\bTD1/5\eTD\eTR
\bTR\bTD2/1\eTD               \bTD2/2\eTD\bTD2/3\eTD\bTD2/4\eTD\bTD2/5\eTD\eTR
\bTR\bTD[nr=2]3/1 34/1 4/1\eTD\bTD3/2\eTD\bTD3/3\eTD\bTD3/4\eTD\bTD3/5\eTD\eTR
\bTR                          \bTD4/2\eTD\bTD4/3\eTD\bTD4/4\eTD\bTD4/5\eTD\eTR
\eTABLE
```