1

14 Assembling all these diversion levels into a single line of a table requires quite subtle
15 logic so that all cases may be treated properly. The result -- simple looking -- hides some 16 laborious processing of text.

17 The first test case is a simple table, each line of which is a simple entry.
18 Simple table

| 19 | Item | Value | Value |
| :--- | :--- | :---: | :---: |
| 20 | First | 10 | 0.1 |
| 21 | Second | 5.2 | 10 |

22 Next comes the same table with all 28 items boxed

| Simple table |  |  |
| :---: | :---: | :---: |
| Item | Value | Value |
| First | 10 | 0.1 |
| Second | 5.2 | 10 |


|  | Simple table |  |  |
| :--- | :---: | :---: | :---: |
| 30 | Item | Value |  |
| 31 | Virst | 10 |  |
| 32 | Vecond | 5.2 |  |
|  |  | 10 |  |
|  |  |  |  |

A table with a .T\& in it to change formating.

## Changed format table

Item Value Value
36 First $10 \quad 0.1$
37 Second 5.210
38 This is a text line.
39 A more complex table. The complexity is due to the text boxes on the third infor40 mation line. The numeric data is printed in one line, then the block of texts on the left 41 and right are printed in two further lines. Consequently, three output stages combine to 42 produce the resulting table. When line numbers are added to the table, they must be

43 handled properly so that the text blocks all start by having the same output line number, 44 though they may be different lengths and assembled in arbitrary order.

| Complex table |  |  |  |  |  |  |  |
| :--- | :--- | :---: | :---: | :--- | :---: | :---: | :---: |
| 45 | Value |  |  |  |  | Value | Text |
|  | Item | 10 | 0.1 | X |  |  |  |
| 47 | First | 5.2 | 10 | X |  |  |  |
| 48 | Second | 1 | 2 | Another text <br> block, that will <br> be deliberately <br> longer |  |  |  |
| 49 | This is a block of |  |  |  |  |  |  |
| 50 | text in a table |  |  |  |  |  |  |
| 51 |  |  |  |  |  |  |  |

The final table test will be one with a header. This requires help from the -me macro 54 package to put the header into a keep that will be included with the header of successive 55 pages of the table's text. A suitably modified. TH macro is needed to handle possible line 56 numbering properly.

| 57 |  |  |  |  |
| :--- | :--- | :---: | :---: | :---: |
|  | Headed, multi-page table |  |  |  |
| 58 | Item | Value | Value | Text |
|  | First | 10 | 0.1 | 1 |
| 60 | Next | 5.2 | 10 | 2 |
| 61 | Next | 5.2 | 10 | 3 |
| 62 | Next | 5.2 | 10 | 4 |
| 63 | Next | 5.2 | 10 | 5 |
| 64 | Next | 5.2 | 10 | 6 |
| 65 | Next | 5.2 | 10 | 7 |
| 66 | Next | 5.2 | 10 | 8 |
| 67 | Next | 5.2 | 10 | 9 |
| 68 | Next | 5.2 | 10 | 10 |
| 69 | Next | 5.2 | 10 | 11 |
| 70 | Next | 5.2 | 10 | 12 |
| 71 | Next | 5.2 | 10 | 13 |
| 72 | Next | 5.2 | 10 | 14 |
| 73 | Next | 5.2 | 10 | 15 |
| 74 | Next | 5.2 | 10 | 16 |
| 75 | Next | 5.2 | 10 | 17 |
| 76 | Next | 5.2 | 10 | 18 |
| 77 | Next | 5.2 | 10 | 19 |
| 78 | Next | 5.2 | 10 | 20 |
| 79 | Next | 5.2 | 10 | 21 |
| 80 | Next | 5.2 | 10 | 22 |
| 81 | Next | 5.2 | 10 | 23 |
| 82 | Next | 5.2 | 10 | 24 |
| 83 | Next | 5.2 | 10 | 25 |
| 84 | Next | 5.2 | 10 | 26 |
| 85 | Next | 5.2 | 10 | 27 |
| 86 | Next | 5.2 | 10 | 28 |
| 87 | Next | 5.2 | 10 | 29 |
| 88 | Next | 5.2 | 10 | 30 |
| 89 | Next | 5.2 | 10 | 31 |
| 90 | Next | 5.2 | 10 | 32 |
| 91 | Next | 5.2 | 10 | 33 |
| 92 | Next | 5.2 | 10 | 34 |
| 93 | Next | 5.2 | 10 | 35 |
|  |  |  |  |  |


| 94 | Headed, multi-page table |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 95 | Item | Value | Value | Text |
| 96 | Next | 5.2 | 10 | 36 |
| 97 | Next | 5.2 | 10 | 37 |
| 98 | Next | 5.2 | 10 | 38 |
| 99 | Next | 5.2 | 10 | 39 |
| 100 | Next | 5.2 | 10 | 40 |
| 101 | Next | 5.2 | 10 | 41 |
| 102 | Next | 5.2 | 10 | 42 |
| 103 | Next | 5.2 | 10 | 43 |
| 104 | Next | 5.2 | 10 | 44 |
| 105 | Next | 5.2 | 10 | 45 |
| 106 | Next | 5.2 | 10 | 46 |
| 107 | Next | 5.2 | 10 | 47 |
| 108 | Next | 5.2 | 10 | 48 |
| 109 | Next | 5.2 | 10 | 49 |
| 110 | Next | 5.2 | 10 | 50 |
| 111 | Next | 5.2 | 10 | 51 |
| 112 | Next | 5.2 | 10 | 52 |
| 113 | Next | 5.2 | 10 | 53 |
| 114 | Next | 5.2 | 10 | 54 |
| 115 | Next | 5.2 | 10 | 55 |
| 116 | Next | 5.2 | 10 | 56 |
| 117 | Next | 5.2 | 10 | 57 |
| 118 | Next | 5.2 | 10 | 58 |
| 119 | Next | 5.2 | 10 | 59 |
| 120 | Next | 5.2 | 10 | 60 |
| 121 | Next | 5.2 | 10 | 61 |
| 122 | Next | 5.2 | 10 | 62 |
| 123 | Next | 5.2 | 10 | 63 |
| 124 | Next | 5.2 | 10 | 64 |
| 125 | Next | 5.2 | 10 | 65 |
| 126 | Next | 5.2 | 10 | 66 |
| 127 | Next | 5.2 | 10 | 67 |
| 128 | Next | 5.2 | 10 | 68 |
| 129 | Next | 5.2 | 10 | 69 |
| 130 | Next | 5.2 | 10 | 70 |
| 131 | Next | 5.2 | 10 | 71 |
| 132 | Next | 5.2 | 10 | 72 |
| 133 | Next | 5.2 | 10 | 73 |
| 134 | Next | 5.2 | 10 | 74 |
| 135 | Next | 5.2 | 10 | 75 |

in a
block
This is a quoted block in the page. This is a quoted block in the page. This is a quoted block in the page. This is a quoted block in the page.

Another centered text block
Item one in a list block in the page.
Item two in a list block in the page.
Item three in a list block in the page.
Item four in a list block in the page.

