

Reverse | . _ 1 _ Rotate (Shift)

<p> . y reverses the order of the items of y. For example:</p> <pre> . t=: 'abcdefg' gfedcba</pre> <p>The right shift is the dyadic case of .!f with the left argument _1. For example:</p> <pre> .!.'#' t #abcdef</pre> <pre> .!10 i.3 3 10 10 10 0 1 2 3 4 5</pre>	<p>x .y rotates successive axes of y by successive elements of x. Thus:</p> <pre>1 2 . i. 3 5 7 8 9 5 6 12 13 14 10 11 2 3 4 0 1</pre> <p>The phrase x .!f y produces a shift: the items normally brought around by the cyclic rotation are replaced by f unless f is empty (0=#f), in which case they are replaced by the normal fill defined under {.(take):</p> <pre>2 _2 .!.'#'0 1 t cdefg## ##abcde</pre>
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y=: a.{~ (a. i. 'A') + i. 5 6
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(] ; 2&|. ; _2&|. ; 2&|. "1 ; 2&( |.!.'*' "1)) y
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ABCDEF	MNOPQR	STUVWX	CDEFAB	CDEF**
GHIJKL	STUVWX	YZ[\]^	IJKLGH	IJKL**
MNOPQR	YZ[\]^	ABCDEF	OPQRMN	OPQR**
STUVWX	ABCDEF	GHIJKL	UVWXST	UVWX**
YZ[\]^	GHIJKL	MNOPQR	[\]^YZ	[\]^**

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(] ; |. ; |."1 ; |.!.'*' "1 ; (2: |. ])) y
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ABCDEF	YZ[\]^	FEDCBA	*ABCDE	MNOPQR
GHIJKL	STUVWX	LKJIHG	*GHIJK	STUVWX
MNOPQR	MNOPQR	RQPONM	*MNOPQ	YZ[\]^
STUVWX	GHIJKL	XWVUTS	*STUVW	ABCDEF
YZ[\]^	ABCDEF	^\[ZY	*YZ[\]	GHIJKL

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1 _2 |. !. '*' 3{. y
**GHIJ
**MNOP
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