

定点除法

$x =$	-	0	.	1	0	1	1		$y =$	+	0	.	1	1	0	1		$\left[\frac{x}{y}\right]_{\text{原}}$	加减交替
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$[x]_{\text{原}}$	1	.	1	0	1	1
$x^*$	0	.	1	0	1	1
$[y]_{\text{原}}$	0	.	1	1	0	1
$y^*$	0	.	1	1	0	1
$[-y^*]_{\text{补}}$	1	.	0	0	1	1

$x$ dividend (remainder)							$q^*$ quotient						description
	0	.	1	0	1	1	0	.	0	0	0	0	INIT
+	1	.	0	0	1	1		.					
	1	.	1	1	1	0		.				0	-
<-	1	.	1	1	0	0		.			0		
+	0	.	1	1	0	1		.					
	0	.	1	0	0	1		.			0	1	+
<-	1	.	0	0	1	0		.		0	1		
+	1	.	0	0	1	1		.					
	0	.	0	1	0	1		.		0	1	1	+
<-	0	.	1	0	1	0		.	0	1	1		
+	1	.	0	0	1	1		.					
	1	.	1	1	0	1		.	0	1	1	0	-
<-	1	.	1	0	1	0	0	.	1	1	0		
+	0	.	1	1	0	1		.					
	0	.	0	1	1	1	0	.	1	1	0	1	+
		.						.					
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		.						.					

- INIT  $x + [-y^*]_{\text{补}}$  (减除数)
- 加减交替
  - +  $x$ 为正, 上商“1”,  $\leftarrow$ 1位,  $+ [-y^*]_{\text{补}}$  (减除数)
  - -  $x$ 为负, 上商“0”,  $\leftarrow$ 1位,  $+ [y^*]_{\text{补}}$  (加除数)
- Sign bit of quotient:  $x_0 \oplus y_0 = 1$

$\left[\frac{x}{y}\right]_{\text{原}} = 1.1101$