定点除法

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|  |  | 0 | . |  |  |  |  |  |  |  | 0 | . |  |  |  |  |  |  | 恢复余数 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | . | 1 | 1 | 1 |  | 1 |
|  | 0 | . | 1 | 1 | 1 |  | 1 |
|  | 1 | . | 1 | 1 | 1 |  | 1 |
|  | 0 | . | 1 | 1 | 1 |  | 1 |
|  | 1 | . | 1 | 1 | 1 |  | 1 |

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|  | *dividend（remainder）* | | | | | | |  | *quotient* | | | | | | *description* |
|  |  | . |  |  |  |  |  | 0 | . | 0 | 0 | 0 | 0 | 0 |  |
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* INIT （减除数）
* 恢复余数
  + 为正，上商“1”，1位， （减除数）
  + - **REC**OVERY 为负，上商“0”， （恢复余数）
    - **SUB**TRACT 被恢复的，1位， （减除数）
* Sign bit of quotient：

定点除法

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | 0 | . |  |  |  |  |  |  |  | 0 | . |  |  |  |  |  |  | 加减交替 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | . | 1 | 1 | 1 |  | 1 |
|  | 0 | . | 1 | 1 | 1 |  | 1 |
|  | 1 | . | 1 | 1 | 1 |  | 1 |
|  | 0 | . | 1 | 1 | 1 |  | 1 |
|  | 1 | . | 1 | 1 | 1 |  | 1 |

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|  | *dividend（remainder）* | | | | | | |  | *quotient* | | | | | | *description* |
|  |  | . |  |  |  |  |  | 0 | . | 0 | 0 | 0 | 0 | 0 |  |
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* INIT （减除数）
* 加减交替
  + 为正，上商“1”，1位， （减除数）
  + 为负，上商“0”，1位， （加除数）
* Sign bit of quotient：