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Using a 4-bit version of the algorithm divide 7_{10} by 2_{10} , or 0000 0111 ₂ by 0010 ₂ .				
0	Initial values	0000	0010 0000	0000 0111
1	1: Rem = Rem - Div	0000	0010 0000	@110 0111
	2b: Rem < 0 \implies +Div, sll Q, Q0 = 0	0000	0010 0000	0000 0111
	3: Shift Div right	0000	0001 0000	0000 011
2	1: Rem = Rem - Div	0000	0001 0000	@111 0111
	2b: Rem < 0 \implies +Div, sll Q, Q0 = 0	0000	0001 0000	0000 011:
	3: Shift Div right	0000	0000 1000	0000 011:
3	1: Rem = Rem - Div	0000	0000 1000	@111 1111
	2b: Rem < 0 \implies +Div, sll Q, Q0 = 0	0000	0000 1000	0000 011:
	3: Shift Div right	0000	0000 0100	0000 011:
4	1: Rem = Rem - Div	0000	0000 0100	0000 001:
	2a: Rem $\ge 0 \implies$ sll Q, Q0 = 1	0001	0000 0100	0000 001:
	3: Shift Div right	0001	0000 0010	0000 0011
5	1: Rem = Rem - Div	0001	0000 0010	0000 0003
	2a: Rem $\ge 0 \implies$ sll Q, Q0 = 1	0011	0000 0010	0000 0000
	3: Shift Div right	0011	0000 0001	0000 0000











































