

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
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1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
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1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
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1	1	1	0	0	31	1	1	1	0	0	31
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1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
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1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
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1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
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1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
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1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
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1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
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1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
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1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
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1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
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1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
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1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
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1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	1	0	7	1	1	1	0	0	-1
1	1	1	0	1	-2	1	1	1	0	0	-2
1	1	1	0	1	-3	1	1	1	0	0	-3
1	1	1	0	1	-4	1	1	1	0	0	-4
1	1	1	0	1	-5	1	1	1	0	0	-5
1	1	1	0	1	-6	1	1	1	0	0	-6
1	1	1	0	1	-7	1	1	1	0	0	-7
1	1	1	0	1	-8	1	1	1	1	0	-8
1	1	1	1	1	-1	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
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1	1	1	0	0	-15	1	1	1	0	0	-15
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1	1	1	1	0	-9	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
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1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	0	0	-24	1	1	1	1	0	-24
1	1	1	1	0	-17	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
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1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	0	0	-32	1	1	1	1	0	-32
1	1	1	1	0	-25	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	0	0	24	1	1	1	1	0	24
1	1	1	1	0	31	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	0	0	16	1	1	1	1	0	16
1	1	1	1	0	23	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
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1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	0	0	8	1	1	1	1	0	8
1	1	1	1	0	15	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
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1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
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1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
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1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
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1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
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1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	1	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-13	1	1	1	0	0	-5
1	1	1	0	0	-14	1	1	1	0	0	-6
1	1	1	0	0	-15	1	1	1	0	0	-7
1	1	1	1	0	-16	1	1	1	1	0	-8
1	1	1	0	0	-17	1	1	1	0	0	-9
1	1	1	0	0	-18	1	1	1	0	0	-10
1	1	1	0	0	-19	1	1	1	0	0	-11
1	1	1	1	0	-20	1	1	1	0	0	-12
1	1	1	0	0	-29	1	1	1	0	0	-13
1	1	1	0	0	-30	1	1	1	0	0	-14
1	1	1	0	0	-31	1	1	1	0	0	-15
1	1	1	1	1	-32	1	1	1	1	0	-16
1	1	1	0	0	31	1	1	1	0	0	-17
1	1	1	0	0	30	1	1	1	0	0	-18
1	1	1	0	0	29	1	1	1	0	0	-19
1	1	1	1	0	28	1	1	1	0	0	-20
1	1	1	0	0	19	1	1	1	0	0	-21
1	1	1	0	0	18	1	1	1	0	0	-22
1	1	1	0	0	17	1	1	1	0	0	-23
1	1	1	1	0	16	1	1	1	1	0	-24
1	1	1	0	0	15	1	1	1	0	0	-25
1	1	1	0	0	14	1	1	1	0	0	-26
1	1	1	0	0	13	1	1	1	0	0	-27
1	1	1	1	0	12	1	1	1	0	0	-28
1	1	1	0	0	3	1	1	1	0	0	-29
1	1	1	0	0	2	1	1	1	0	0	-30
1	1	1	0	0	1	1	1	1	0	0	-31
1	1	1	1	1	0	1	1	1	1	0	-32
1	1	1	0	0	-1	1	1	1	0	0	31
1	1	1	0	0	-2	1	1	1	0	0	30
1	1	1	0	0	-3	1	1	1	0	0	29
1	1	1	1	0	-4	1	1	1	0	0	28
1	1	1	0	0	-13	1	1	1	0	0	27
1	1	1	0	0	-14	1	1	1	0	0	26
1	1	1	0	0	-15	1	1	1	0	0	25
1	1	1	1	0	-16	1	1	1	1	0	24
1	1	1	0	0	-17	1	1	1	0	0	23
1	1	1	0	0	-18	1	1	1	0	0	22
1	1	1	0	0	-19	1	1	1	0	0	21
1	1	1	1	0	-20	1	1	1	0	0	20
1	1	1	0	0	-29	1	1	1	0	0	19
1	1	1	0	0	-30	1	1	1	0	0	18
1	1	1	0	0	-31	1	1	1	0	0	17
1	1	1	1	1	-32	1	1	1	1	0	16
1	1	1	0	0	31	1	1	1	0	0	15
1	1	1	0	0	30	1	1	1	0	0	14
1	1	1	0	0	29	1	1	1	0	0	13
1	1	1	1	0	28	1	1	1	0	0	12
1	1	1	0	0	19	1	1	1	0	0	11
1	1	1	0	0	18	1	1	1	0	0	10
1	1	1	0	0	17	1	1	1	0	0	9
1	1	1	1	0	16	1	1	1	1	0	8
1	1	1	0	0	15	1	1	1	0	0	7
1	1	1	0	0	14	1	1	1	0	0	6
1	1	1	0	0	13	1	1	1	0	0	5
1	1	1	1	0	12	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
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1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
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1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
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1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
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1	1	1	0	0	29	1	1	1	0	0	29
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1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
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1	1	1	0	0	23	1	1	1	0	0	23
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1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
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1	1	1	0	0	13	1	1	1	0	0	13
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1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	1	7	1	1	1	0	0	7
1	1	1	0	1	6	1	1	1	0	0	6
1	1	1	0	1	5	1	1	1	0	0	5
1	1	1	0	1	4	1	1	1	0	0	4
1	1	1	0	1	3	1	1	1	0	0	3
1	1	1	0	1	2	1	1	1	0	0	2
1	1	1	0	1	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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1	1	1	0	0	1	0	0	1	0	0	0
1	1	1	1	1	0	1	1	1	0	0	-1
1	1	1	0	0	-1	1	1	1	0	0	-2
1	1	1	0	0	-2	1	1	1	0	0	-3
1	1	1	0	0	-3	1	1	1	0	0	-4
1	1	1	0	0	-4	1	1	1	0	0	-5
1	1	1	0	0	-5	1	1	1	0	0	-6
1	1	1	0	0	-6	1	1	1	0	0	-7
1	1	1	0	0	-7	1	1	1	1	0	-8
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1	0	1	0	0	-5	1	1	1	0	0	-12
1	0	1	0	0	-4	1	1	1	0	0	-13
1	0	1	0	0	-3	1	1	1	0	0	-14
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1	0	1	0	0	3	1	1	1	0	0	-20
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1	0	1	0	0	5	1	1	1	0	0	-22
1	0	1	0	0	6	1	1	1	0	0	-23
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1	0	1	0	0	8	1	1	1	0	0	-25
1	0	1	0	0	9	1	1	1	0	0	-26
1	0	1	0	0	10	1	1	1	0	0	-27
1	0	1	0	0	11	1	1	1	0	0	-28
1	0	1	0	0	12	1	1	1	0	0	-29
1	0	1	0	0	13	1	1	1	0	0	-30
1	0	1	0	0	14	1	1	1	0	0	-31
1	0	1	1	0	15	1	1	1	1	0	-32
1	0	1	0	0	16	1	1	1	0	0	31
1	0	1	0	0	17	1	1	1	0	0	30
1	0	1	0	0	18	1	1	1	0	0	29
1	0	1	0	0	19	1	1	1	0	0	28
1	0	1	0	0	20	1	1	1	0	0	27
1	0	1	0	0	21	1	1	1	0	0	26
1	0	1	0	0	22	1	1	1	0	0	25
1	0	1	1	0	23	1	1	1	1	0	24
1	0	1	0	0	24	1	1	1	0	0	23
1	0	1	0	0	25	1	1	1	0	0	22
1	0	1	0	0	26	1	1	1	0	0	21
1	0	1	0	0	27	1	1	1	0	0	20
1	0	1	0	0	28	1	1	1	0	0	19
1	0	1	0	0	29	1	1	1	0	0	18
1	0	1	0	0	30	1	1	1	0	0	17
1	0	1	1	0	31	1	1	1	1	0	16
1	0	1	0	0	-32	1	1	1	0	0	15
1	0	1	0	0	-31	1	1	1	0	0	14
1	0	1	0	0	-30	1	1	1	0	0	13
1	0	1	0	0	-29	1	1	1	0	0	12
1	0	1	0	0	-28	1	1	1	0	0	11
1	0	1	0	0	-27	1	1	1	0	0	10
1	0	1	0	0	-26	1	1	1	0	0	9
1	0	1	1	0	-25	1	1	1	1	0	8
1	0	1	0	0	-24	1	1	1	0	0	7
1	0	1	0	0	-23	1	1	1	0	0	6
1	0	1	0	0	-22	1	1	1	0	0	5
1	0	1	0	0	-21	1	1	1	0	0	4
1	0	1	0	0	-20	1	1	1	0	0	3
1	0	1	0	0	-19	1	1	1	0	0	2
1	0	1	0	0	-18	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
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1	1	1	0	0	-15	1	1	1	0	0	-15
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1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
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1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
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1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
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1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
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1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
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1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
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1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
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1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
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1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
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1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
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1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
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0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
1	1	1	0	0	-9	1	1	1	0	0	-9
1	1	1	0	0	-10	1	1	1	0	0	-10
1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
1	1	1	0	0	-17	1	1	1	0	0	-17
1	1	1	0	0	-18	1	1	1	0	0	-18
1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
1	1	1	0	0	15	1	1	1	0	0	15
1	1	1	0	0	14	1	1	1	0	0	14
1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

nCLR	D_nU	EN	RCO	RCO_HI	Q	nCLR	D_nU	EN	RCO	RCO_HI	Q
0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	1	0	0	0
1	1	1	0	0	-1	1	1	1	0	0	-1
1	1	1	0	0	-2	1	1	1	0	0	-2
1	1	1	0	0	-3	1	1	1	0	0	-3
1	1	1	0	0	-4	1	1	1	0	0	-4
1	1	1	0	0	-5	1	1	1	0	0	-5
1	1	1	0	0	-6	1	1	1	0	0	-6
1	1	1	0	0	-7	1	1	1	0	0	-7
1	1	1	1	0	-8	1	1	1	1	0	-8
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1	1	1	0	0	-11	1	1	1	0	0	-11
1	1	1	0	0	-12	1	1	1	0	0	-12
1	1	1	0	0	-13	1	1	1	0	0	-13
1	1	1	0	0	-14	1	1	1	0	0	-14
1	1	1	0	0	-15	1	1	1	0	0	-15
1	1	1	1	0	-16	1	1	1	1	0	-16
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1	1	1	0	0	-19	1	1	1	0	0	-19
1	1	1	0	0	-20	1	1	1	0	0	-20
1	1	1	0	0	-21	1	1	1	0	0	-21
1	1	1	0	0	-22	1	1	1	0	0	-22
1	1	1	0	0	-23	1	1	1	0	0	-23
1	1	1	1	0	-24	1	1	1	1	0	-24
1	1	1	0	0	-25	1	1	1	0	0	-25
1	1	1	0	0	-26	1	1	1	0	0	-26
1	1	1	0	0	-27	1	1	1	0	0	-27
1	1	1	0	0	-28	1	1	1	0	0	-28
1	1	1	0	0	-29	1	1	1	0	0	-29
1	1	1	0	0	-30	1	1	1	0	0	-30
1	1	1	0	0	-31	1	1	1	0	0	-31
1	1	1	1	0	-32	1	1	1	1	0	-32
1	1	1	0	0	31	1	1	1	0	0	31
1	1	1	0	0	30	1	1	1	0	0	30
1	1	1	0	0	29	1	1	1	0	0	29
1	1	1	0	0	28	1	1	1	0	0	28
1	1	1	0	0	27	1	1	1	0	0	27
1	1	1	0	0	26	1	1	1	0	0	26
1	1	1	0	0	25	1	1	1	0	0	25
1	1	1	1	0	24	1	1	1	1	0	24
1	1	1	0	0	23	1	1	1	0	0	23
1	1	1	0	0	22	1	1	1	0	0	22
1	1	1	0	0	21	1	1	1	0	0	21
1	1	1	0	0	20	1	1	1	0	0	20
1	1	1	0	0	19	1	1	1	0	0	19
1	1	1	0	0	18	1	1	1	0	0	18
1	1	1	0	0	17	1	1	1	0	0	17
1	1	1	1	0	16	1	1	1	1	0	16
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1	1	1	0	0	13	1	1	1	0	0	13
1	1	1	0	0	12	1	1	1	0	0	12
1	1	1	0	0	11	1	1	1	0	0	11
1	1	1	0	0	10	1	1	1	0	0	10
1	1	1	0	0	9	1	1	1	0	0	9
1	1	1	1	0	8	1	1	1	1	0	8
1	1	1	0	0	7	1	1	1	0	0	7
1	1	1	0	0	6	1	1	1	0	0	6
1	1	1	0	0	5	1	1	1	0	0	5
1	1	1	0	0	4	1	1	1	0	0	4
1	1	1	0	0	3	1	1	1	0	0	3
1	1	1	0	0	2	1	1	1	0	0	2
1	1	1	0	0	1	1	1	1	0	0	1

IDEAL

nCLR	D_nU	EN	RCO	RCO_HI	Q
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1	1	1	0	0	-1
1	1	1	0	0	-2
1	1	1	0	0	-3
1	1	1	0	0	-4
1	1	1	0	0	-5
1	1	1	0	0	-6
1	1	1	0	0	-7
1	1	1	1	0	-8
1	1	1	0	0	-9
1	1	1	0	0	-10
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1	1	1	0	0	-29
1	1	1	0	0	-30
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1	1	1	1	0	-32
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