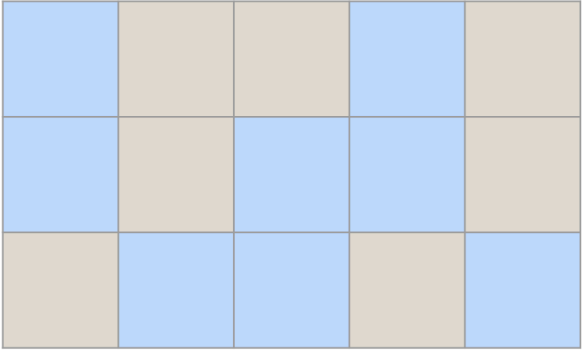


Arithmetic	
Input 1	9
Input 2	13
Output	22
Input 1 + Input 2 = Output	True

Virtual Hensel I Arithmetic:

Verification of Correctness

James Douglas Boyd

SciSci Research, Inc.
Boulder, Colorado, United States
www.sci-sci.org

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Citation Format:

Boyd, J.D. (2025). Virtual Hensel I Arithmetic: Verification of Correctness. SciSci Inventions, 1(7). DOI: 10.5281/zenodo.17536188

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1 Verification of Arithmetic Correctness

1.1 L_{FC} Blocks

What follows is a computer verification of the correctness of the 2-adic arithmetic logic units (2AALUs) in the Virtual Hensel I. A constructive proof by exhaustion is given; every possible arithmetic operation on pairs of χ^0 -IDs is checked and verified for correctness.

We begin with χ^0 -IDs for L_{FC} blocks in FC-3-2025 encodings. The verification is performed as follows. We begin by combinatorially enumerating all possible inputs, i.e., all length-5 lists whose entries are 1 or 0. With 32 inputs possible, there are thus $32^2 = 1024$ possible input pairs. One can confirm that, among these, the number of pairs whose sum is encodable in a length-five list, i.e., whose sum is less than

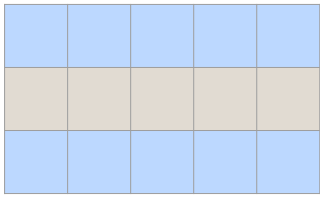
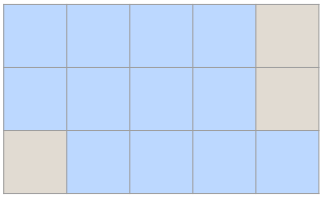
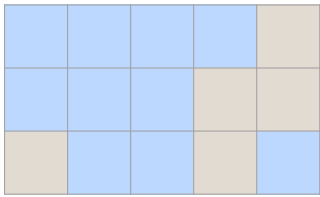
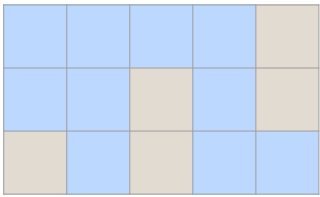
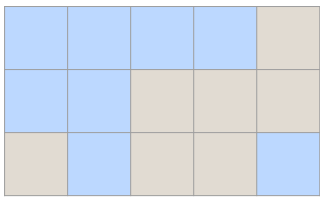
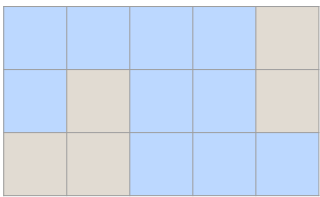
32, is 528. That is to say, with $\mathcal{I}$ being the set of all input pairs, it is the case that $\text{Card}(\{(x, y) \in \mathcal{I}_{L_{FC}} \mid x + y < 32\}) = 528$. The following test is performed for all 528 arithmetic operations for $\mathcal{I}_{L_{FC}}$.

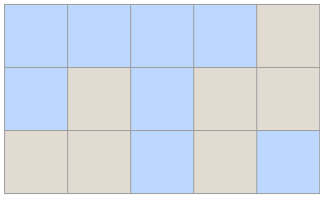
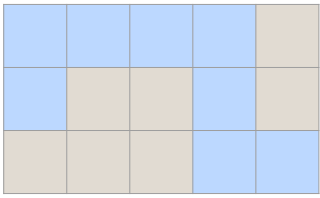
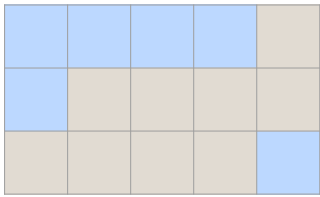
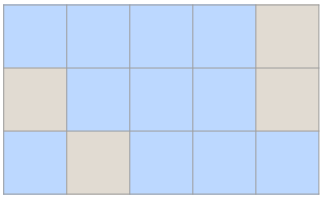
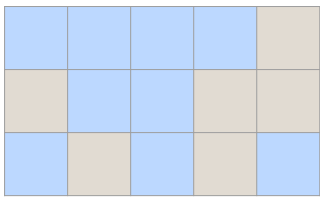
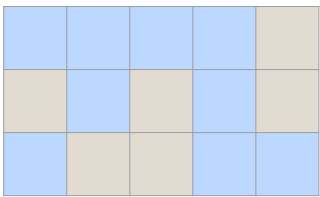
Each possible pair is fed to the 2AALU. The output, $(\omega_1, \omega_2, \omega_3, \omega_4, \omega_5)$, is then checked; it is verified that the entries in the list, as 2-adic expansion coefficients, sum to the correct output thusly:

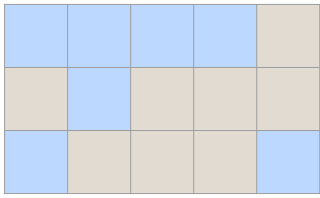
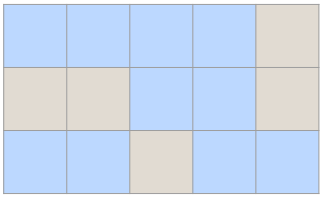
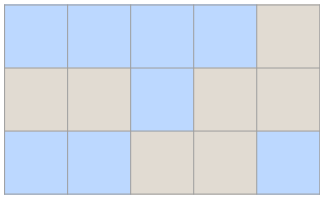
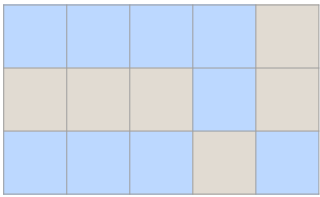
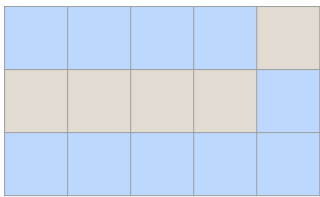
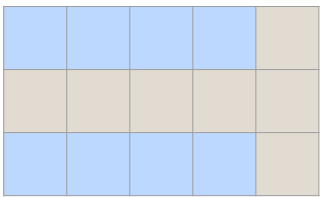
$$\sum_{k=1}^5 \omega_k 2^{k-1}$$

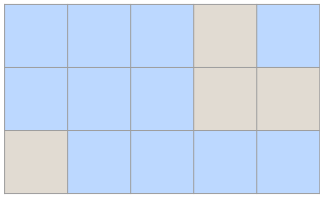
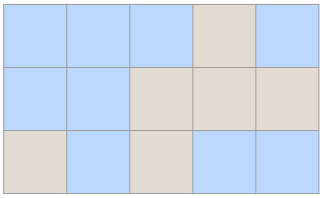
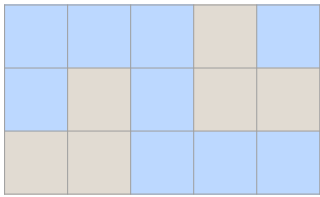
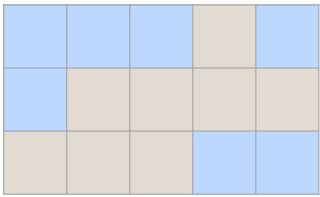
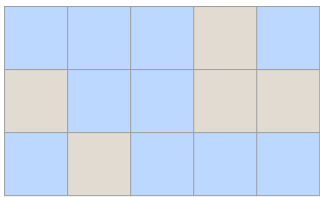
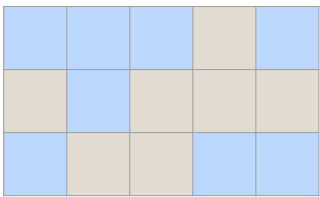
We consider all outputs loadable to the Virtual Hensel I; thus, all output lists, obtained from the possible inputs via Virtual Hensel I arithmetic, that are five entries in length.

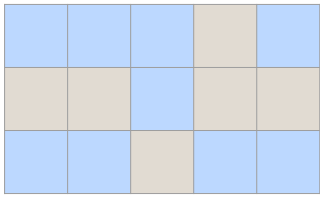
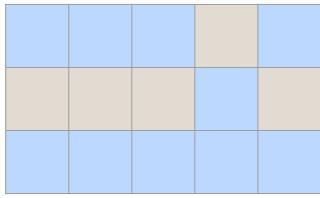
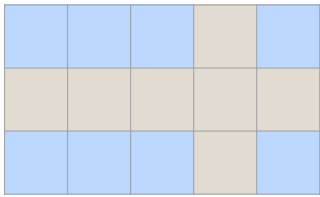
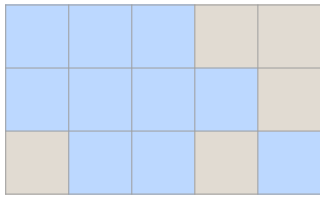
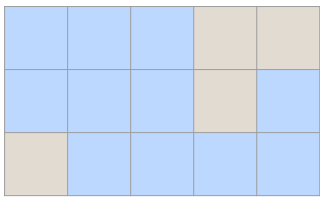
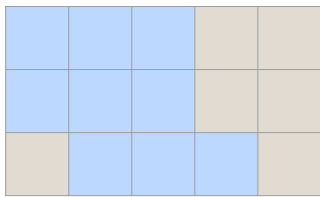
The reader can confirm any of the checks given: simply enter the list entries from left to right (i.e., with ω_1 leftmost and ω_5 rightmost).

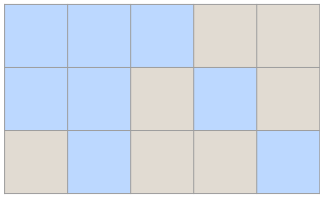
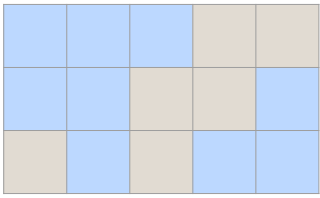
Arithmetic		Arithmetic	
Input 1	31	Input 1	15
Input 2	0	Input 2	15
Output	31	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	7	Input 2	11
Output	22	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	3	Input 2	13
Output	18	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

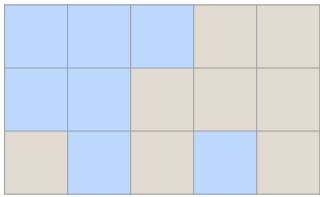
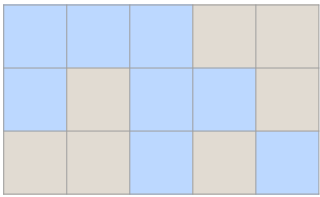
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	5	Input 2	9
Output	20	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	1	Input 2	14
Output	16	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	6	Input 2	10
Output	21	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

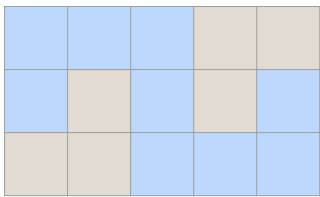
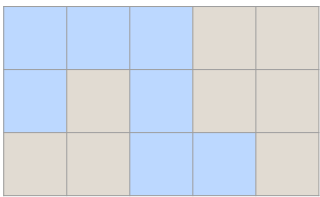
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	2	Input 2	12
Output	17	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	4	Input 2	8
Output	19	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	15	Input 1	15
Input 2	16	Input 2	0
Output	31	Output	15
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

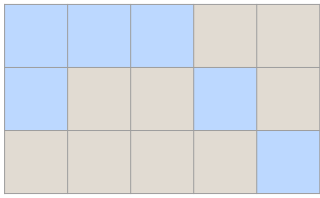
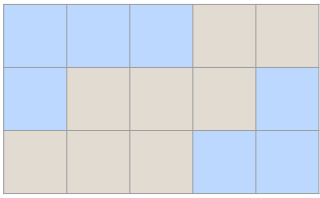
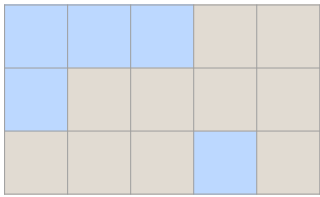
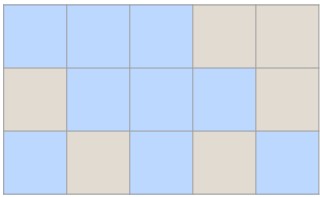
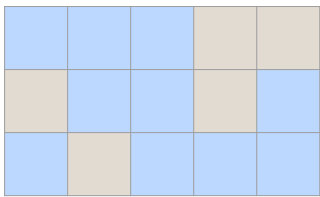
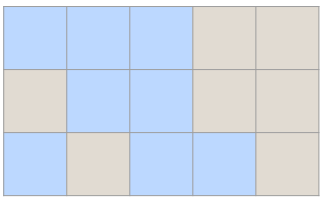
Arithmetic		Arithmetic	
Input 1	23	Input 1	23
Input 2	7	Input 2	3
Output	30	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	23	Input 1	23
Input 2	5	Input 2	1
Output	28	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	23	Input 1	23
Input 2	6	Input 2	2
Output	29	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

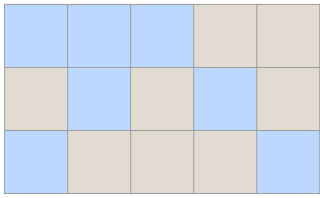
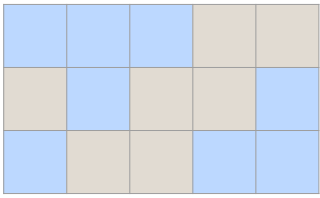
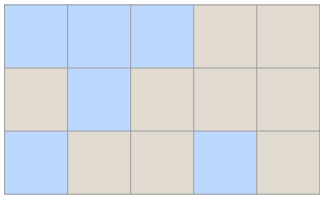
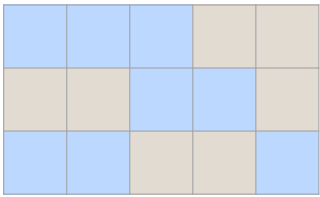
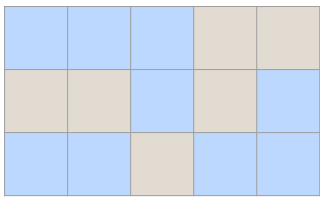
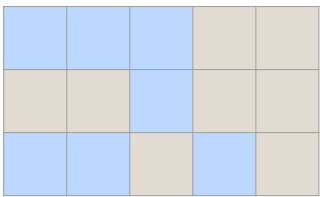
Arithmetic		Arithmetic	
Input 1	23	Input 1	23
Input 2	4	Input 2	8
Output	27	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	23	Input 1	7
Input 2	0	Input 2	15
Output	23	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	23	Input 2	7
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

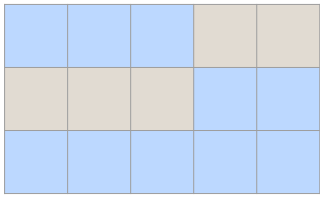
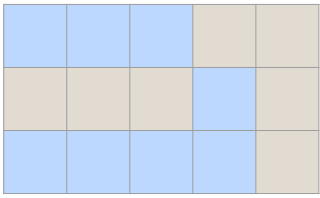
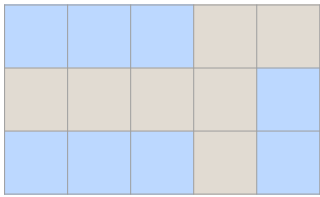
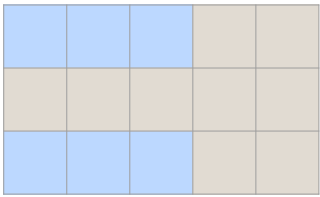
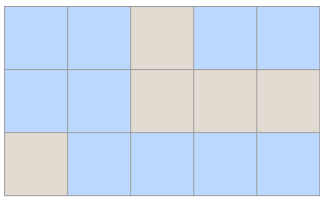
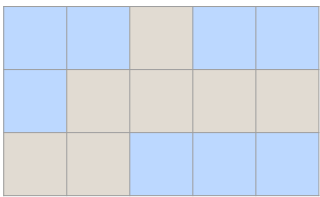
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	11	Input 2	19
Output	18	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	3	Input 2	13
Output	10	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

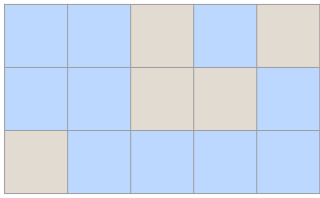
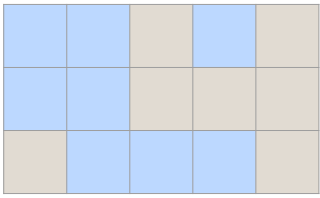
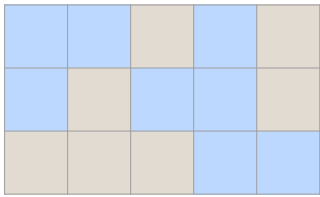
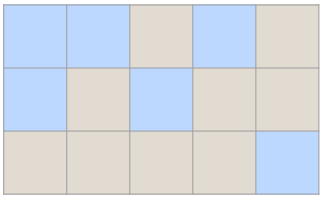
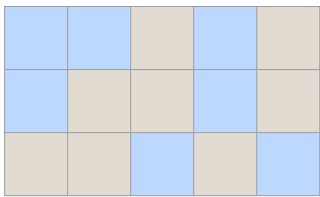
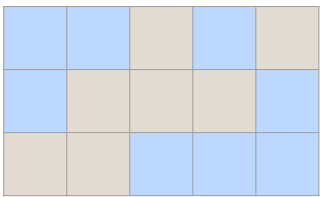
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	21	Input 2	5
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

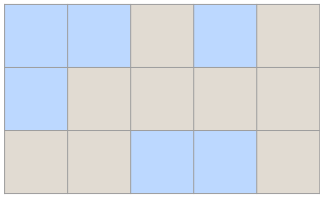
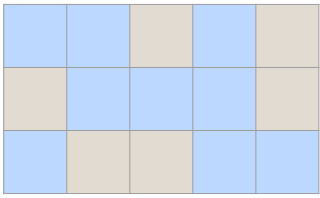
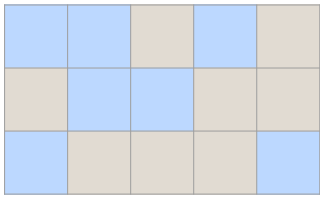
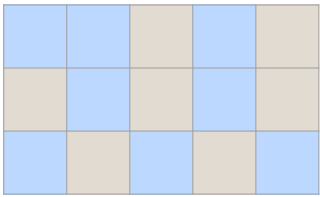
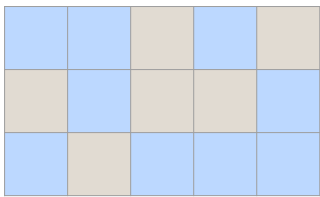
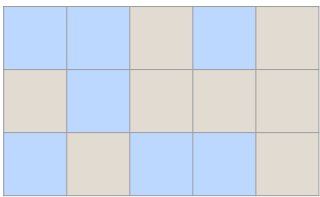
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	9	Input 2	17
Output	16	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	1	Input 2	14
Output	8	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	22	Input 2	6
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	10	Input 2	18
Output	17	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	2	Input 2	12
Output	9	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	20	Input 2	4
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

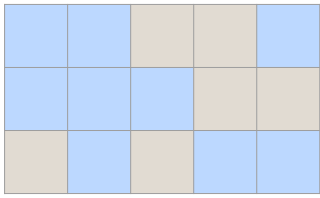
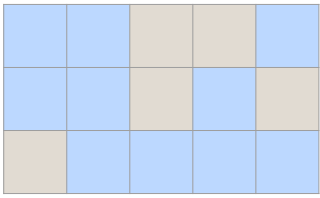
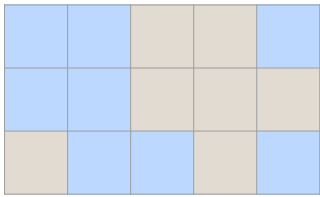
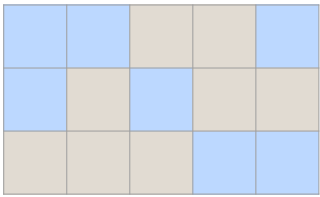
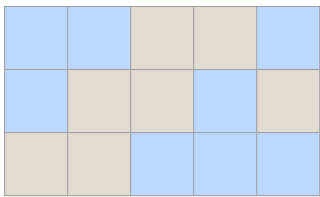
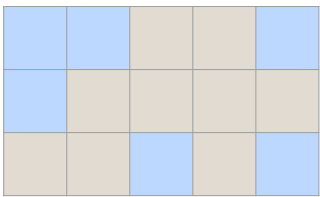
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	24	Input 2	8
Output	31	Output	15
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	7	Input 1	7
Input 2	16	Input 2	0
Output	23	Output	7
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	27	Input 1	27
Input 2	3	Input 2	1
Output	30	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

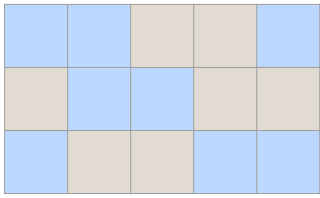
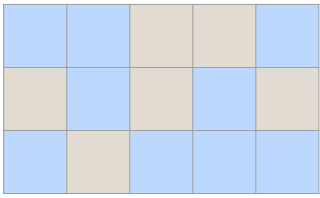
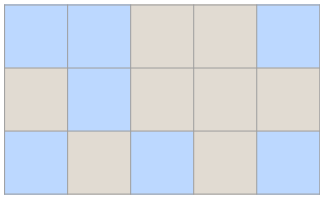
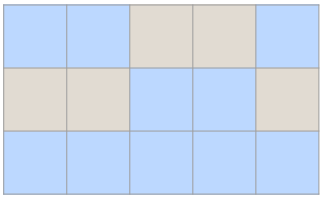
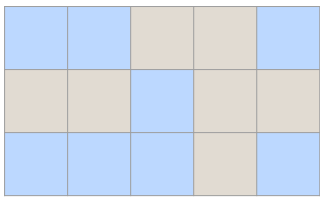
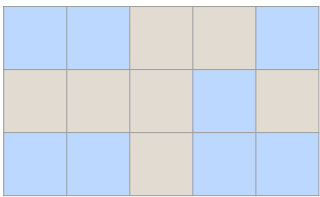
Arithmetic		Arithmetic	
Input 1	27	Input 1	27
Input 2	2	Input 2	4
Output	29	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	27	Input 1	11
Input 2	0	Input 2	15
Output	27	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	7	Input 2	11
Output	18	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	19	Input 2	3
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	13	Input 2	5
Output	24	Output	16
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	9	Input 2	17
Output	20	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	1	Input 2	14
Output	12	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	6	Input 2	10
Output	17	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	18	Input 2	2
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	12	Input 2	20
Output	23	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	4	Input 2	8
Output	15	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	11	Input 1	11
Input 2	16	Input 2	0
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

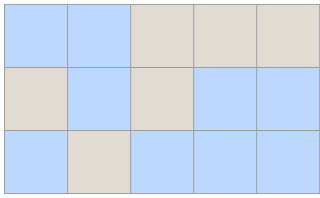
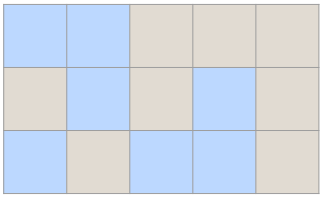
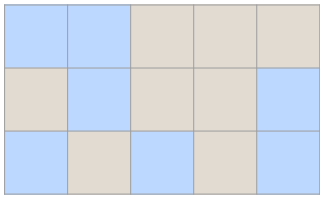
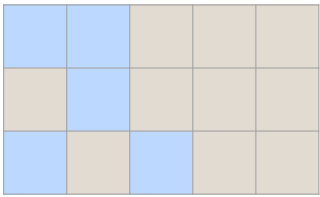
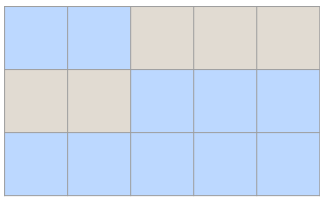
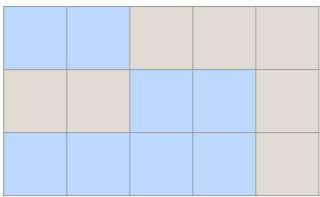
Arithmetic		Arithmetic	
Input 1	19	Input 1	19
Input 2	7	Input 2	11
Output	26	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	19	Input 1	19
Input 2	3	Input 2	5
Output	22	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	19	Input 1	19
Input 2	9	Input 2	1
Output	28	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

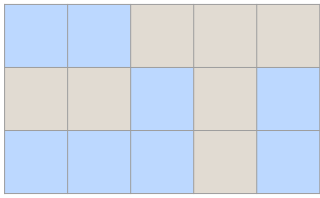
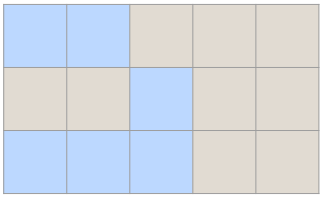
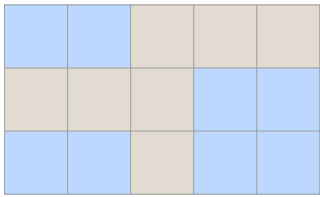
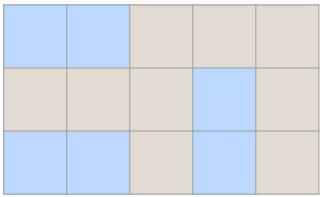
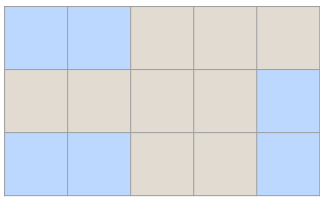
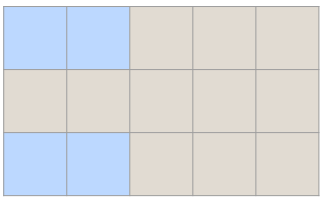
Arithmetic		Arithmetic	
Input 1	19	Input 1	19
Input 2	6	Input 2	10
Output	25	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	19	Input 1	19
Input 2	2	Input 2	12
Output	21	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	19	Input 1	19
Input 2	4	Input 2	8
Output	23	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

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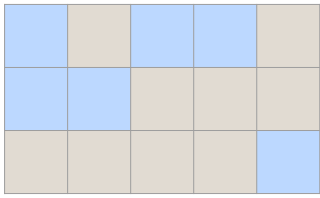
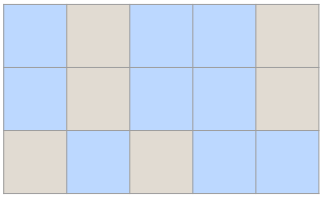
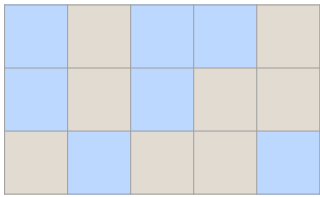
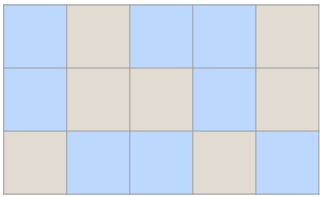
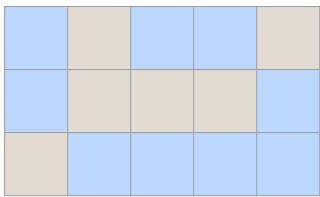
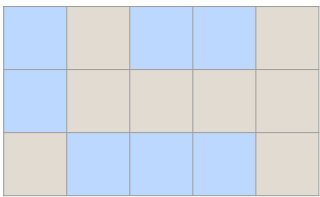
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	19	Input 2	3
Output	22	Output	6
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	13	Input 2	21
Output	16	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	5	Input 2	25
Output	8	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

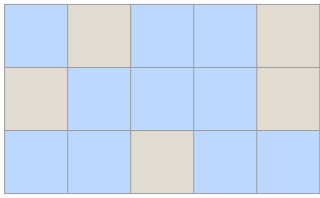
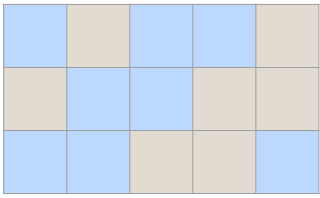
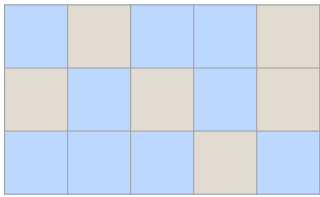
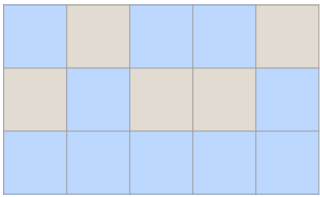
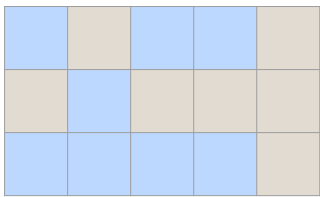
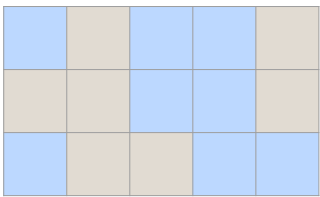
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	9	Input 2	17
Output	12	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	1	Input 2	14
Output	4	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	22	Input 2	6
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	26	Input 2	10
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	18	Input 2	2
Output	21	Output	5
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	28	Input 2	12
Output	31	Output	15
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

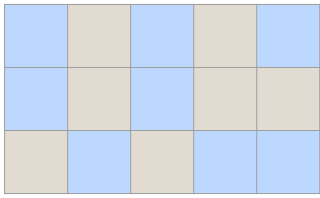
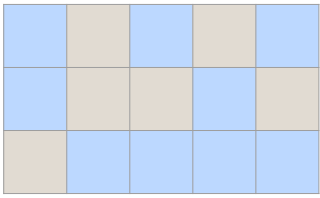
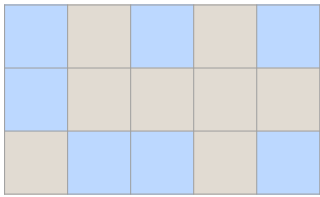
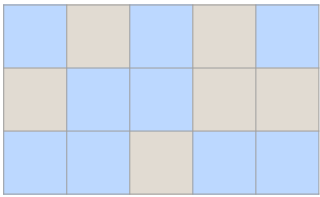
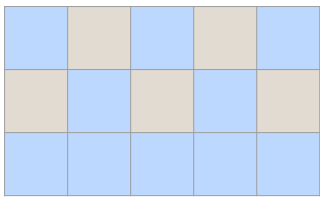
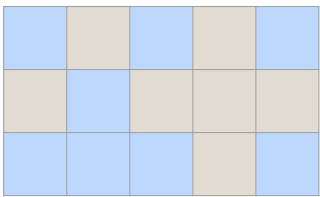
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	20	Input 2	4
Output	23	Output	7
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	24	Input 2	8
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	3	Input 1	3
Input 2	16	Input 2	0
Output	19	Output	3
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

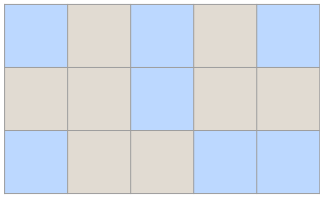
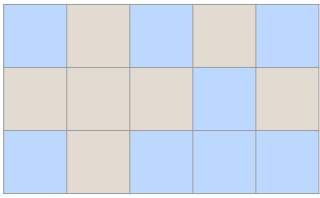
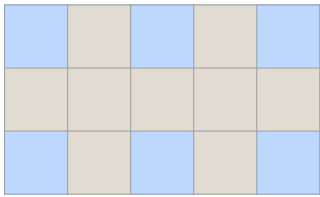
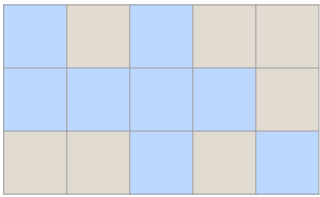
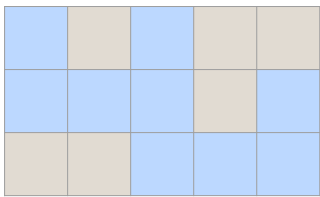
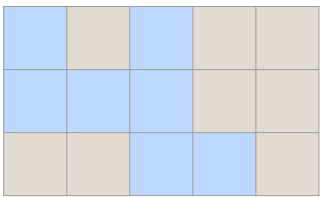
Arithmetic		Arithmetic	
Input 1	29	Input 1	29
Input 2	1	Input 2	2
Output	30	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	29	Input 1	13
Input 2	0	Input 2	15
Output	29	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	7	Input 2	11
Output	20	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	3	Input 2	13
Output	16	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	5	Input 2	9
Output	18	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	17	Input 2	1
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

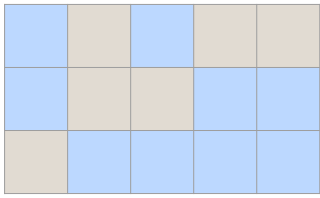
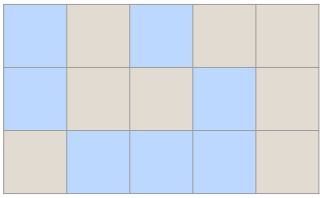
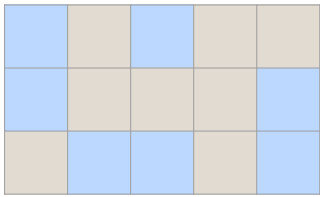
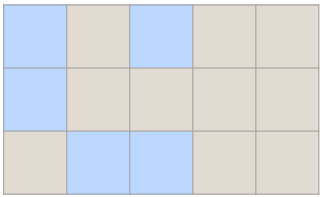
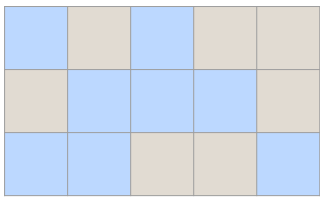
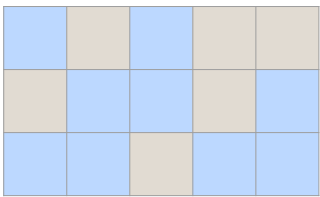
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	14	Input 2	6
Output	27	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	10	Input 2	18
Output	23	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	2	Input 2	12
Output	15	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	4	Input 2	8
Output	17	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	13	Input 1	13
Input 2	16	Input 2	0
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	21	Input 1	21
Input 2	7	Input 2	3
Output	28	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

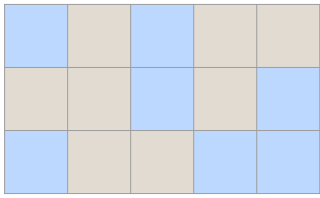
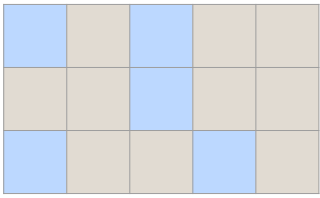
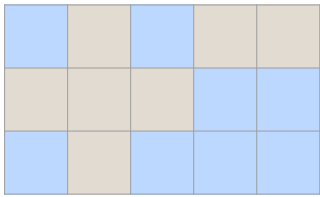
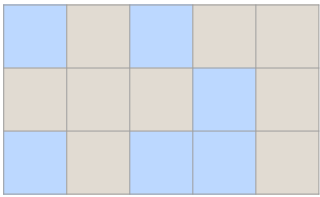
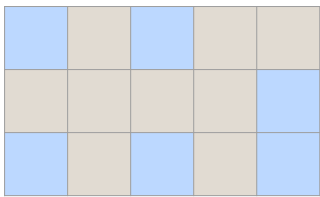
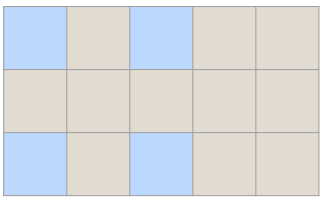
Arithmetic		Arithmetic	
Input 1	21	Input 1	21
Input 2	5	Input 2	9
Output	26	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	21	Input 1	21
Input 2	1	Input 2	6
Output	22	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	21	Input 1	21
Input 2	10	Input 2	2
Output	31	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	21	Input 1	21
Input 2	4	Input 2	8
Output	25	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	21	Input 1	5
Input 2	0	Input 2	15
Output	21	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	23	Input 2	7
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	11	Input 2	19
Output	16	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	3	Input 2	13
Output	8	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	21	Input 2	5
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

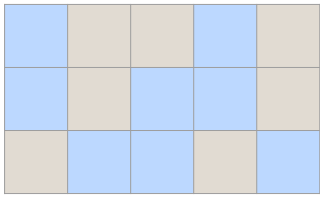
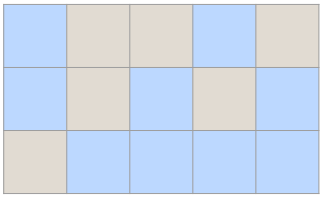
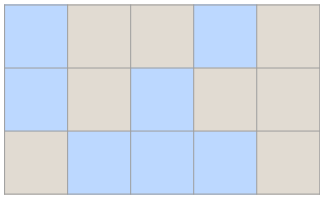
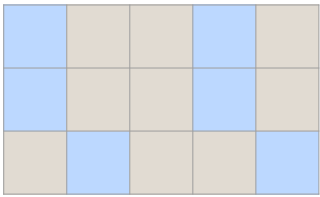
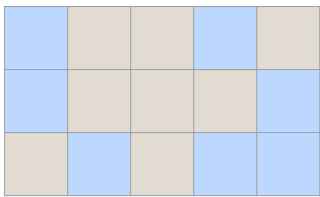
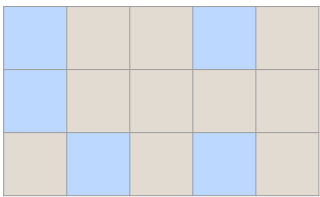
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	25	Input 2	9
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	17	Input 2	1
Output	22	Output	6
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	14	Input 2	22
Output	19	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

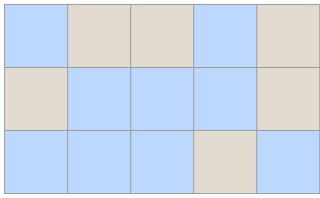
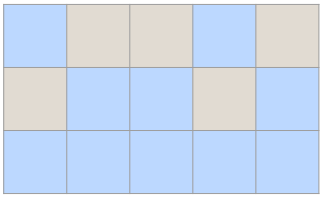
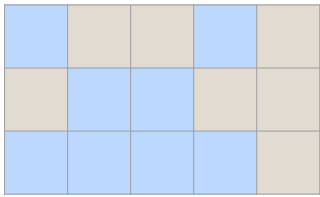
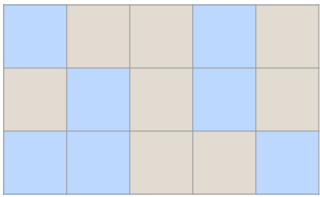
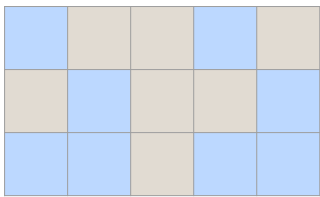
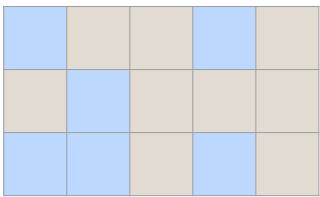
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	6	Input 2	26
Output	11	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	10	Input 2	18
Output	15	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	2	Input 2	12
Output	7	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

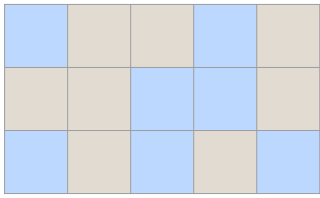
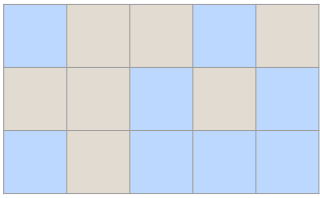
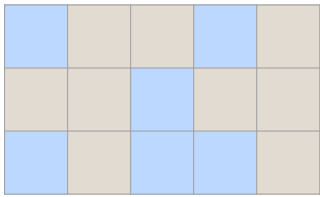
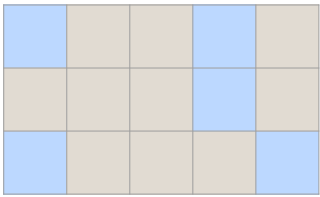
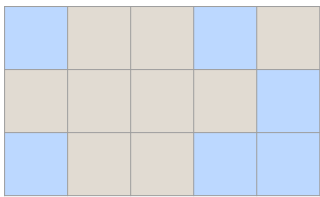
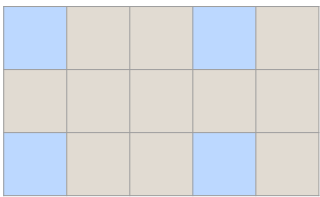
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	20	Input 2	4
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	24	Input 2	8
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	5	Input 1	5
Input 2	16	Input 2	0
Output	21	Output	5
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

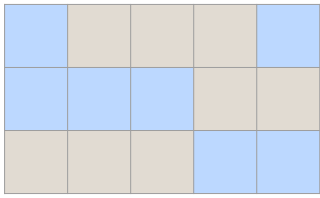
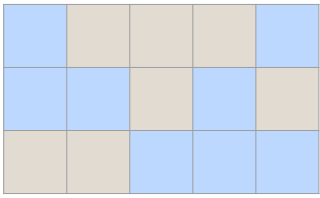
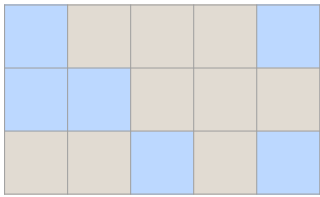
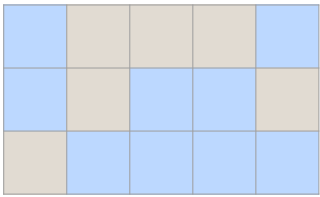
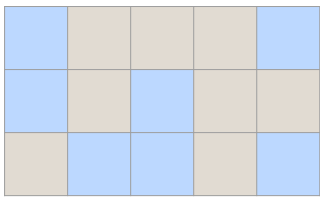
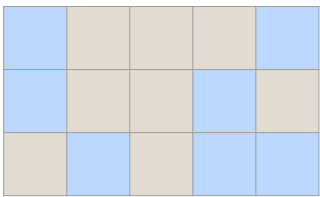
Arithmetic		Arithmetic	
Input 1	25	Input 1	25
Input 2	3	Input 2	5
Output	28	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	25	Input 1	25
Input 2	1	Input 2	6
Output	26	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	25	Input 1	25
Input 2	2	Input 2	4
Output	27	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	25	Input 1	9
Input 2	0	Input 2	15
Output	25	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	7	Input 2	11
Output	16	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	19	Input 2	3
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	13	Input 2	21
Output	22	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	5	Input 2	9
Output	14	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	17	Input 2	1
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	14	Input 2	22
Output	23	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	6	Input 2	10
Output	15	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	18	Input 2	2
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	12	Input 2	20
Output	21	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	4	Input 2	8
Output	13	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	9	Input 1	9
Input 2	16	Input 2	0
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

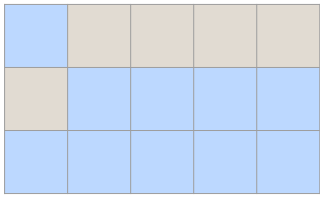
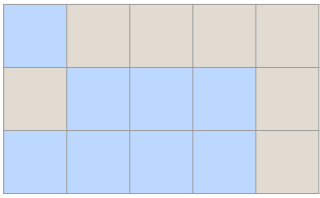
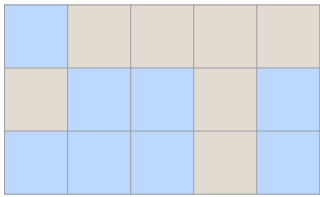
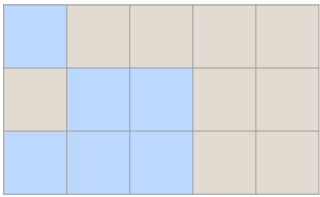
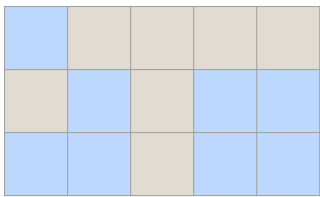
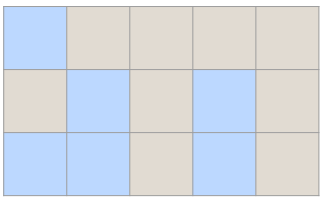
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	7	Input 2	11
Output	24	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	3	Input 2	13
Output	20	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	5	Input 2	9
Output	22	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

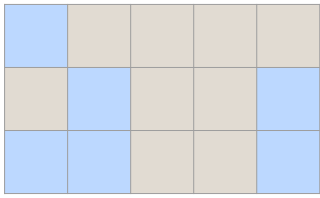
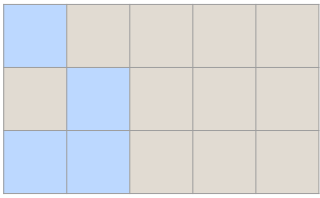
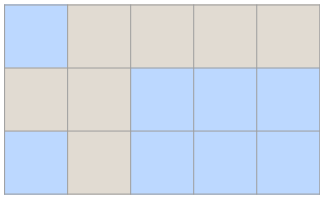
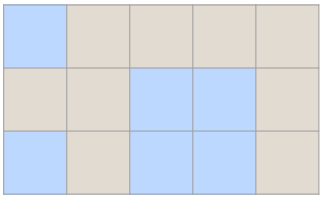
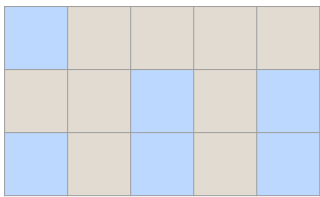
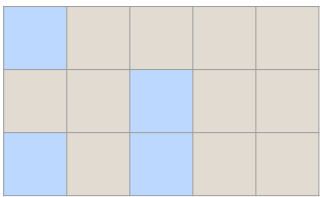
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	1	Input 2	14
Output	18	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	6	Input 2	10
Output	23	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	2	Input 2	12
Output	19	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

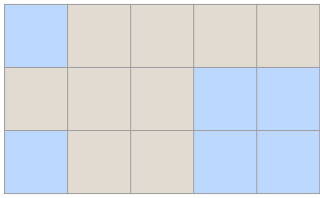
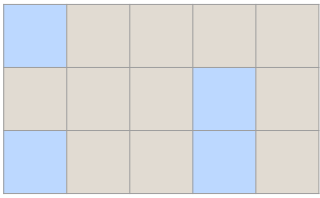
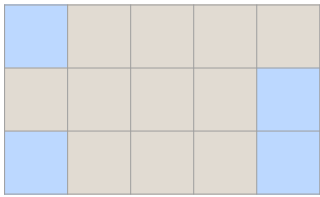
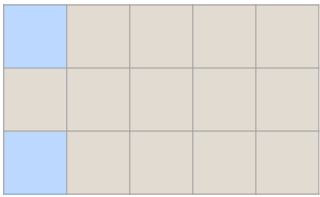
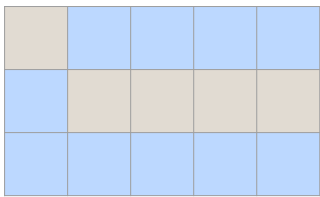
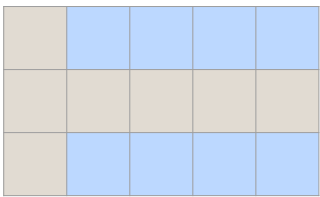
Arithmetic		Arithmetic	
Input 1	17	Input 1	17
Input 2	4	Input 2	8
Output	21	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	17	Input 1	1
Input 2	0	Input 2	15
Output	17	Output	16
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	23	Input 2	7
Output	24	Output	8
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

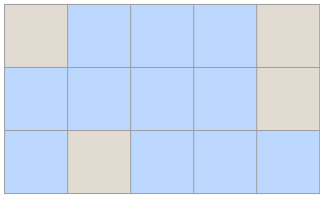
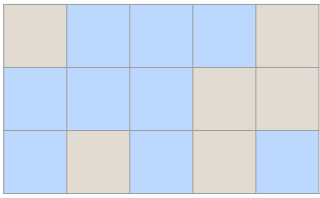
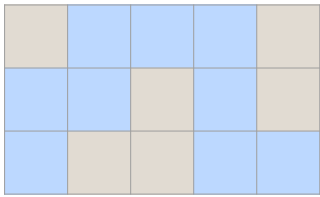
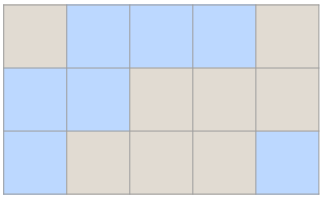
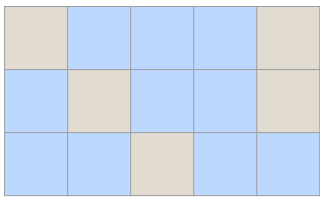
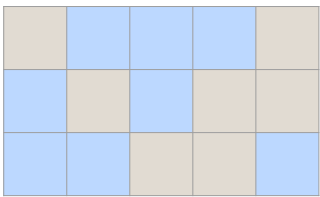
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	27	Input 2	11
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	19	Input 2	3
Output	20	Output	4
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	29	Input 2	13
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

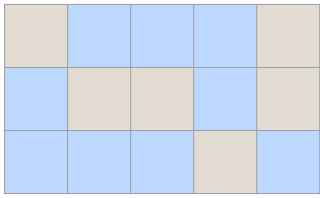
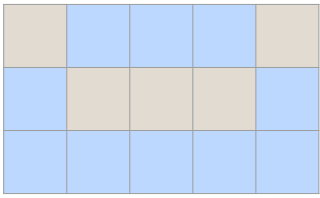
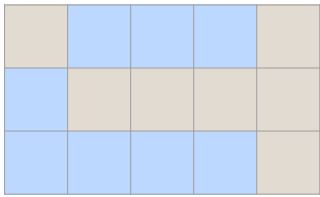
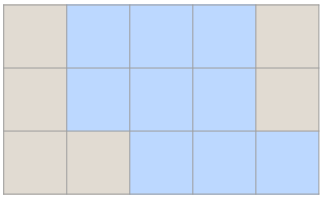
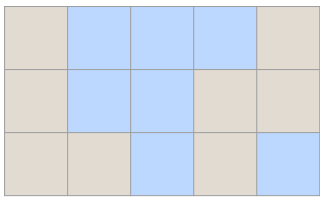
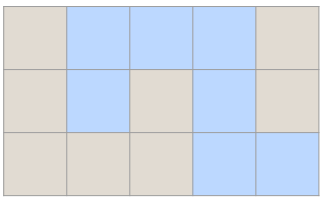
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	21	Input 2	5
Output	22	Output	6
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	25	Input 2	9
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	17	Input 2	1
Output	18	Output	2
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

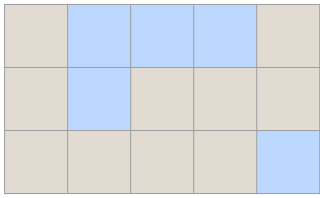
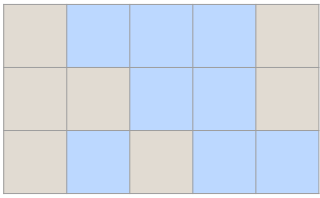
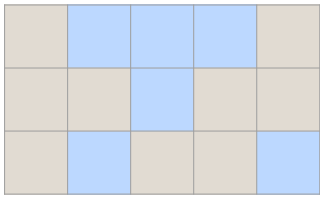
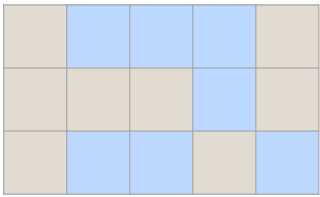
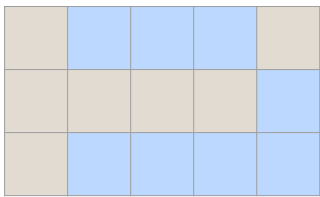
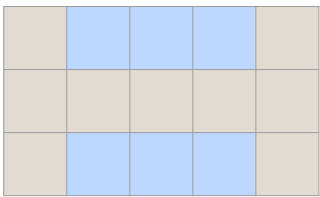
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	30	Input 2	14
Output	31	Output	15
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	22	Input 2	6
Output	23	Output	7
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	26	Input 2	10
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

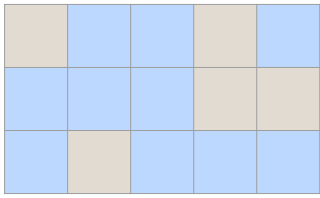
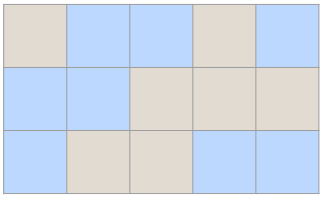
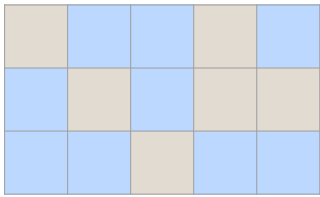
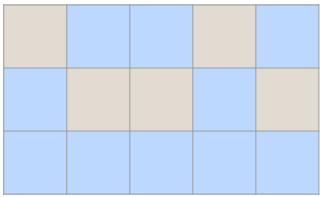
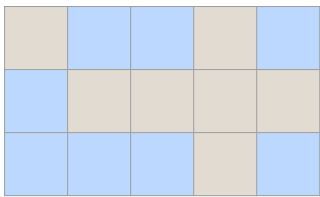
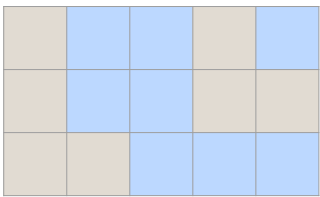
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	18	Input 2	2
Output	19	Output	3
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	28	Input 2	12
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	20	Input 2	4
Output	21	Output	5
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

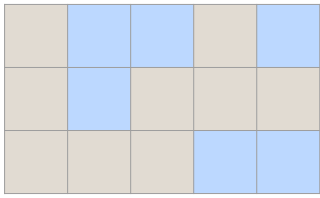
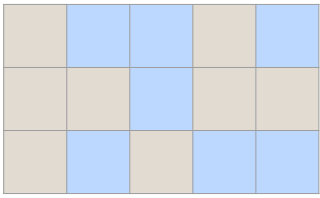
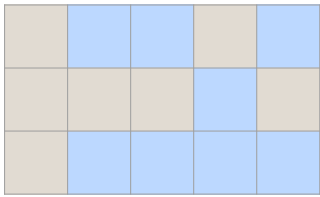
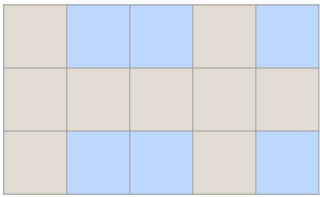
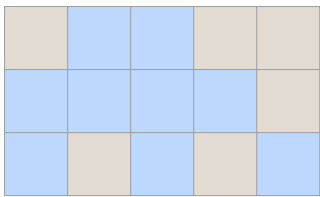
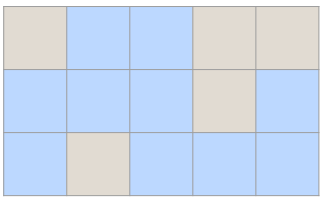
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	24	Input 2	8
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	1	Input 1	1
Input 2	16	Input 2	0
Output	17	Output	1
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	30	Input 1	30
Input 2	1	Input 2	0
Output	31	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

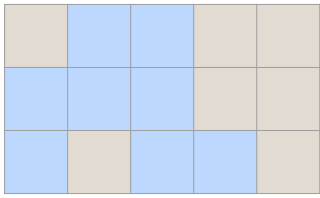
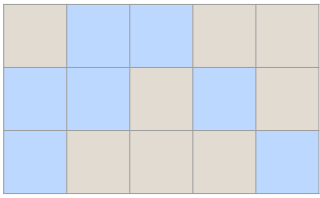
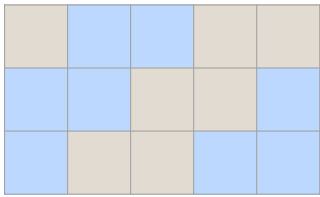
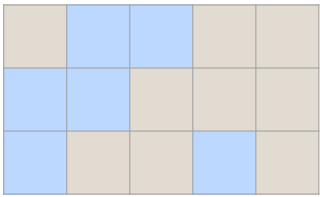
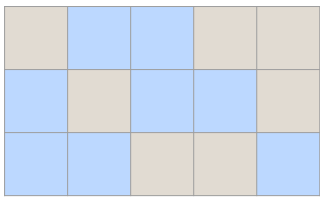
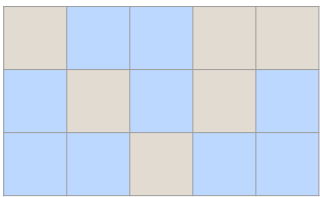
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	15	Input 2	7
Output	29	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	11	Input 2	3
Output	25	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	13	Input 2	5
Output	27	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

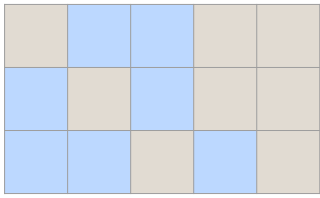
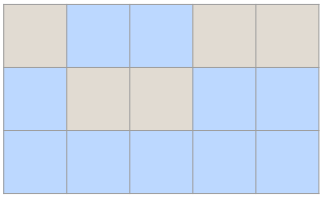
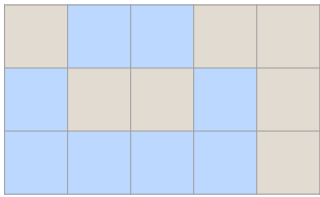
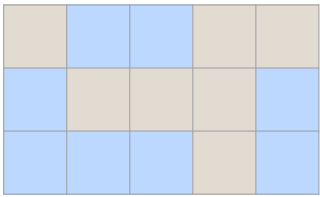
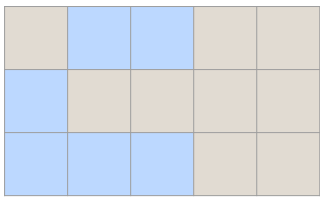
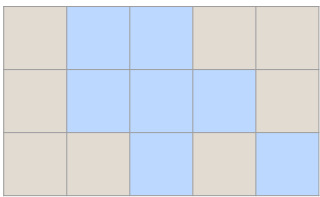
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	9	Input 2	17
Output	23	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	1	Input 2	14
Output	15	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	6	Input 2	10
Output	20	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

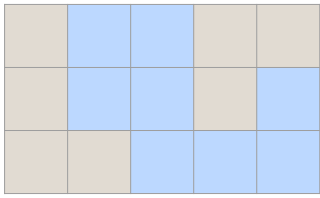
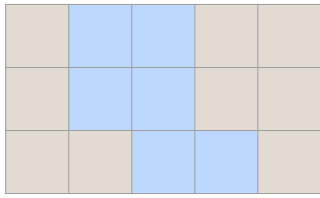
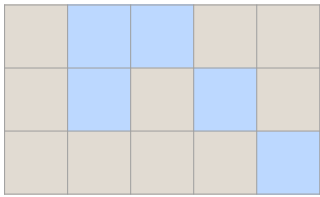
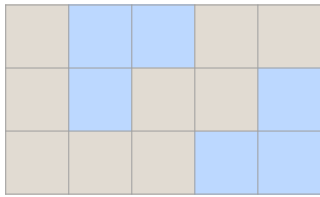
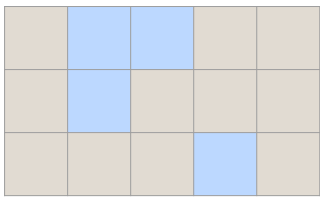
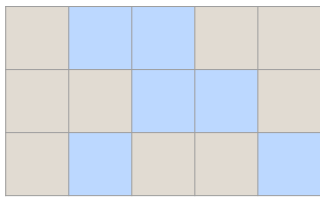
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	2	Input 2	12
Output	16	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	4	Input 2	8
Output	18	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	14	Input 1	14
Input 2	16	Input 2	0
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

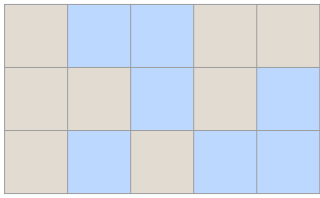
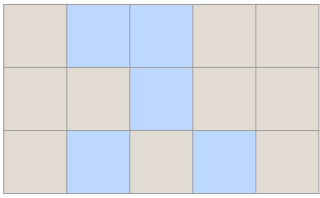
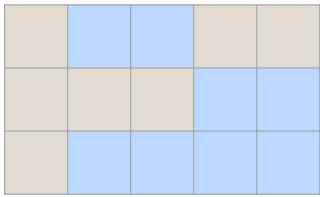
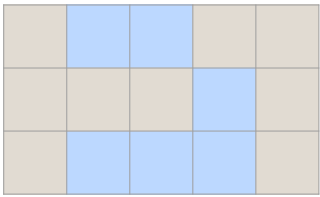
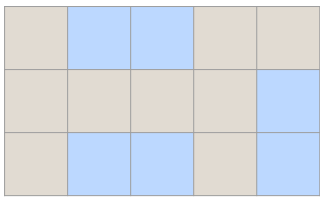
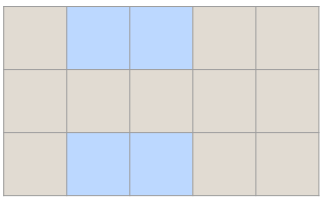
Arithmetic		Arithmetic	
Input 1	22	Input 1	22
Input 2	7	Input 2	3
Output	29	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	22	Input 1	22
Input 2	5	Input 2	9
Output	27	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	22	Input 1	22
Input 2	1	Input 2	6
Output	23	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

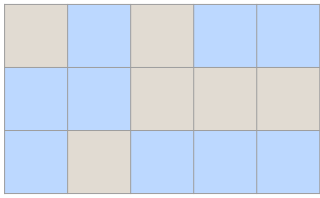
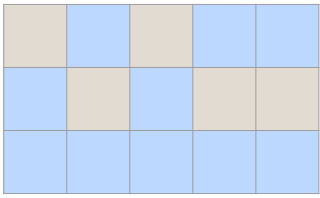
Arithmetic		Arithmetic	
Input 1	22	Input 1	22
Input 2	2	Input 2	4
Output	24	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	22	Input 1	22
Input 2	8	Input 2	0
Output	30	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	15	Input 2	23
Output	21	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

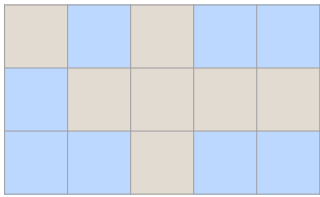
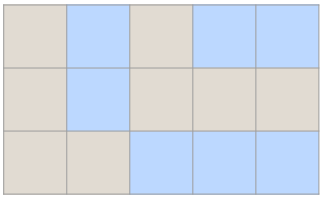
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	7	Input 2	11
Output	13	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	19	Input 2	3
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	13	Input 2	21
Output	19	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

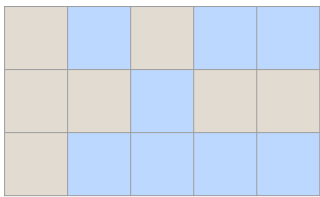
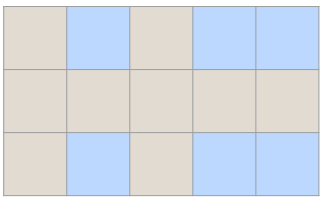
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	5	Input 2	25
Output	11	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	9	Input 2	17
Output	15	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	1	Input 2	14
Output	7	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

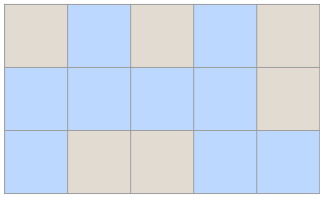
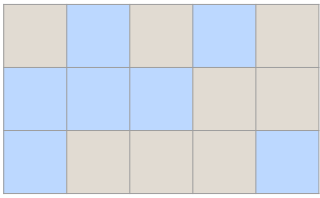
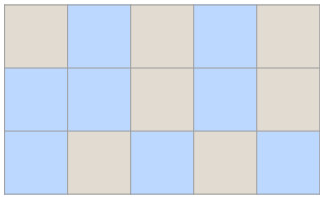
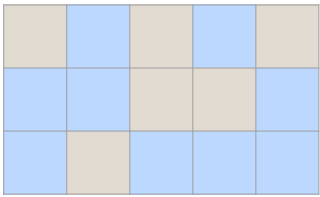
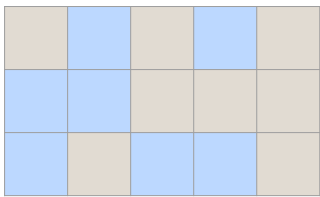
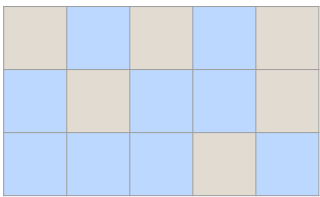
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	22	Input 2	6
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	10	Input 2	18
Output	16	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	2	Input 2	12
Output	8	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

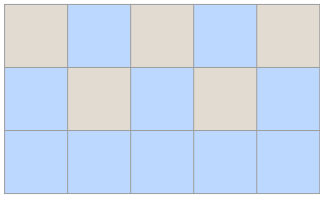
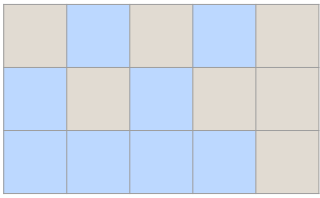
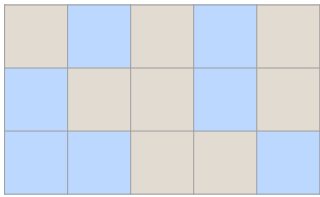
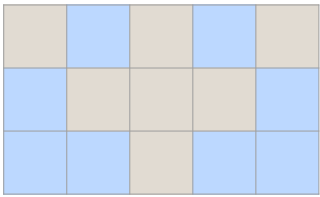
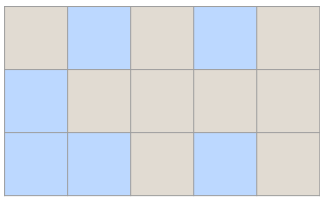
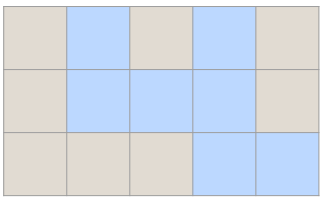
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	20	Input 2	4
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	24	Input 2	8
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	6	Input 1	6
Input 2	16	Input 2	0
Output	22	Output	6
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

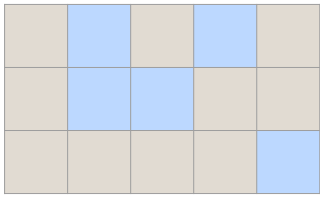
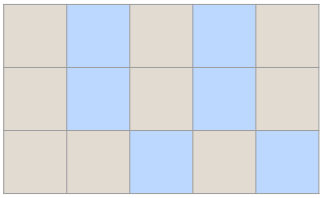
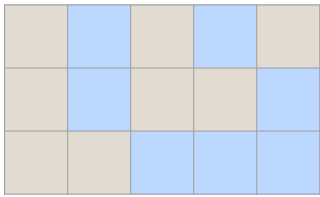
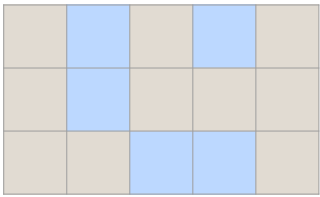
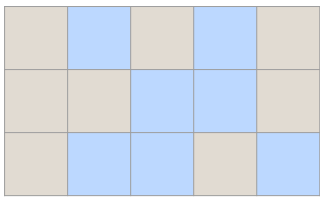
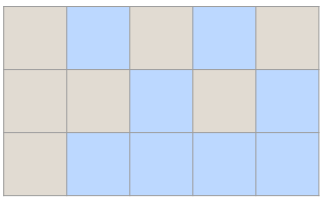
Arithmetic		Arithmetic	
Input 1	26	Input 1	26
Input 2	3	Input 2	5
Output	29	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	26	Input 1	26
Input 2	1	Input 2	2
Output	27	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	26	Input 1	26
Input 2	4	Input 2	0
Output	30	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

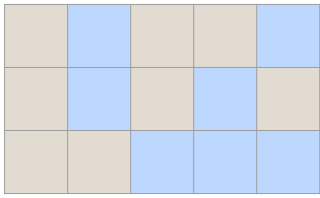
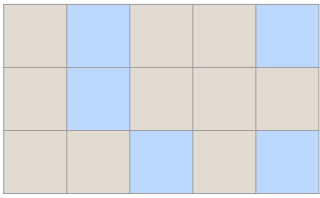
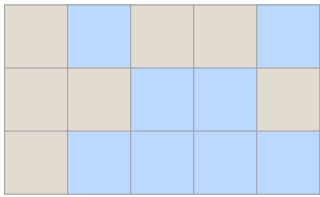
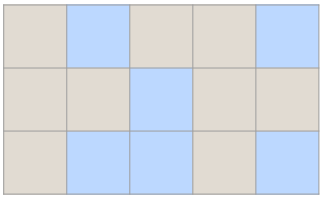
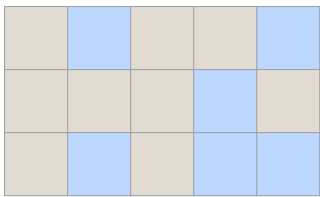
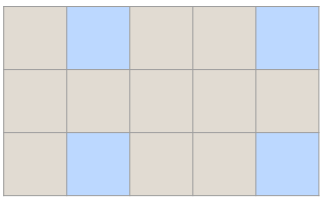
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	15	Input 2	7
Output	25	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	11	Input 2	19
Output	21	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	3	Input 2	13
Output	13	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

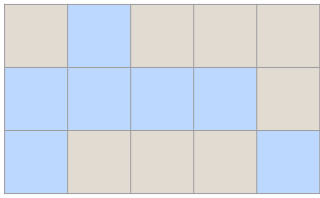
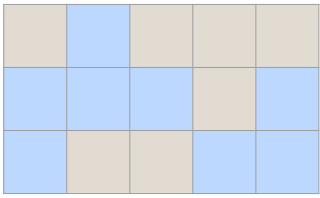
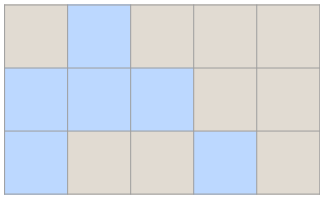
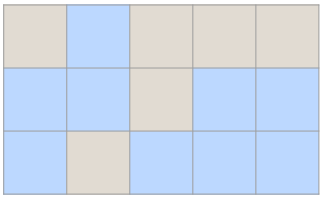
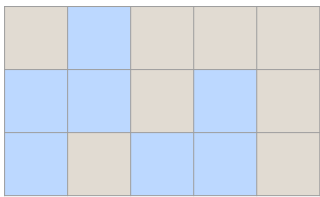
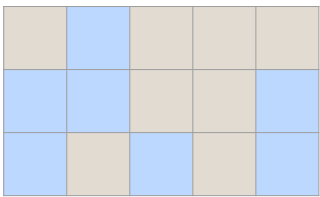
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	21	Input 2	5
Output	31	Output	15
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	9	Input 2	17
Output	19	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	1	Input 2	14
Output	11	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

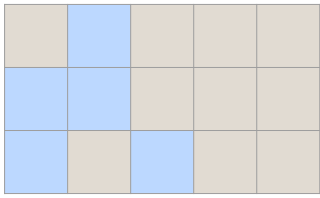
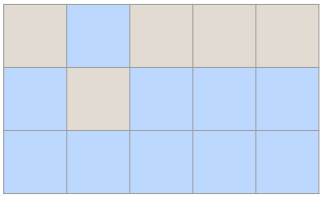
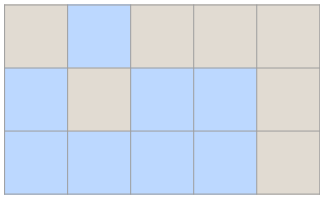
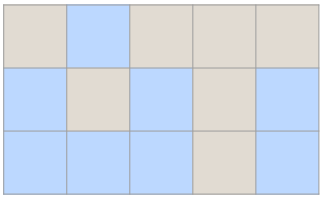
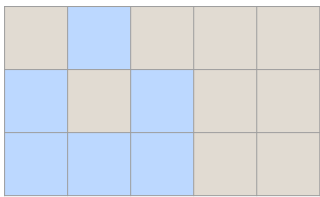
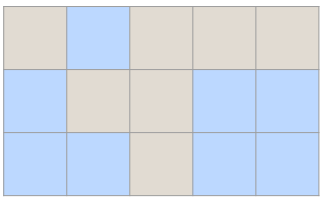
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	6	Input 2	10
Output	16	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	18	Input 2	2
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	12	Input 2	20
Output	22	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	4	Input 2	8
Output	14	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	10	Input 1	10
Input 2	16	Input 2	0
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	7	Input 2	11
Output	25	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

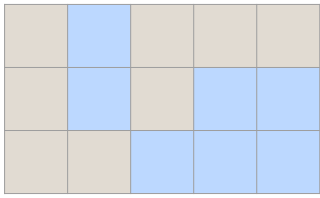
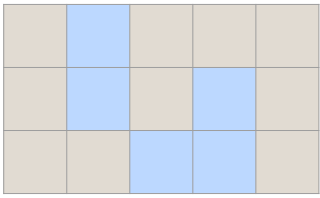
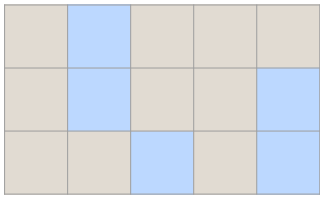
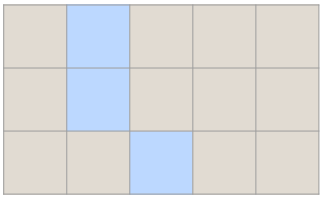
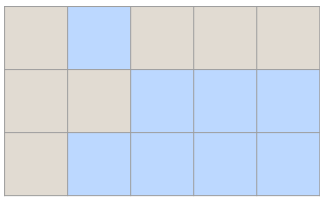
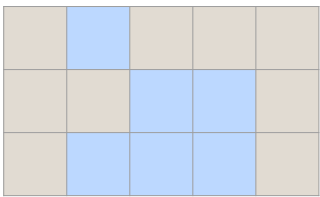
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	3	Input 2	13
Output	21	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	5	Input 2	9
Output	23	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	1	Input 2	6
Output	19	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

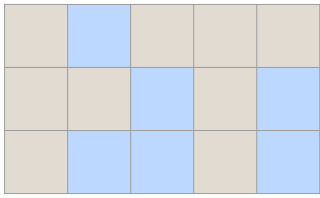
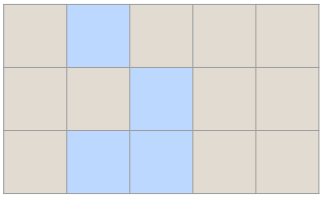
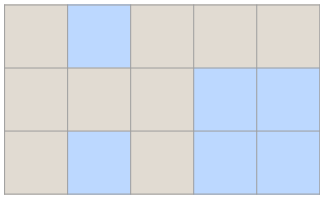
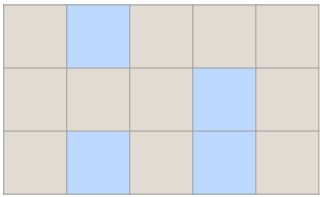
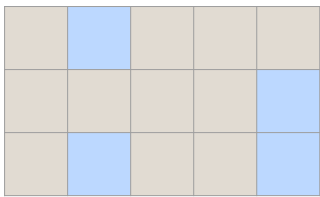
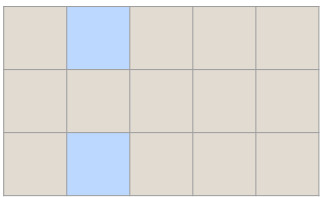
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	10	Input 2	2
Output	28	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	12	Input 2	4
Output	30	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	18	Input 1	18
Input 2	8	Input 2	0
Output	26	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

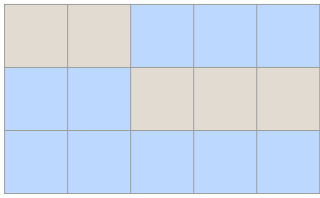
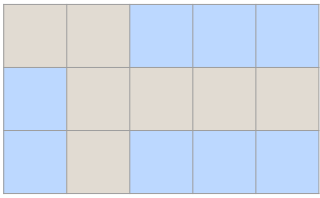
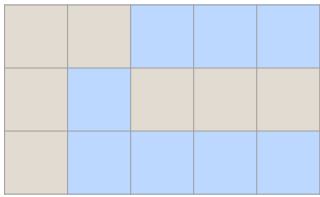
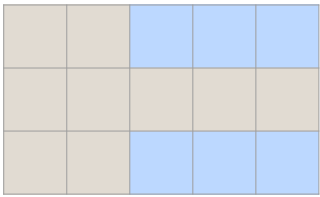
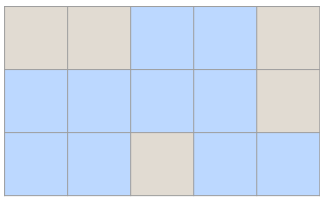
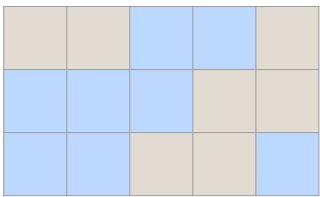
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	15	Input 2	23
Output	17	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	7	Input 2	27
Output	9	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	11	Input 2	19
Output	13	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

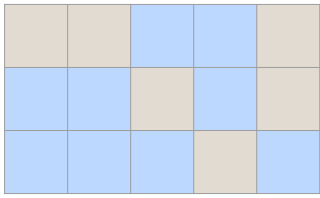
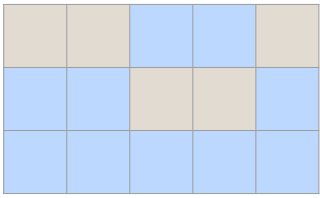
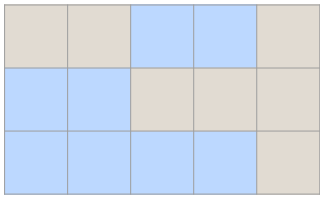
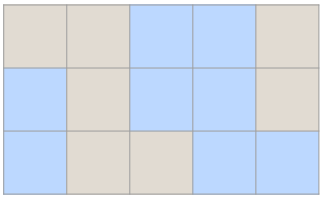
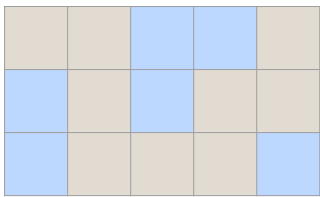
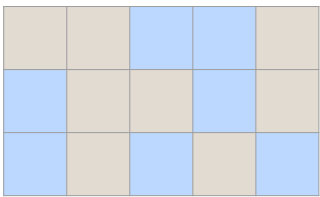
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	3	Input 2	29
Output	5	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	13	Input 2	21
Output	15	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	5	Input 2	25
Output	7	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

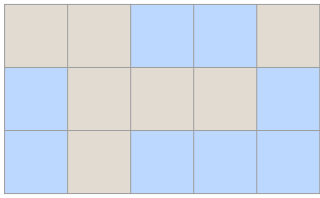
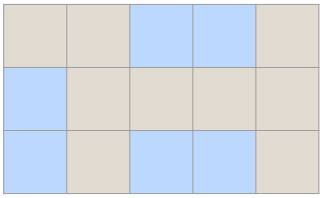
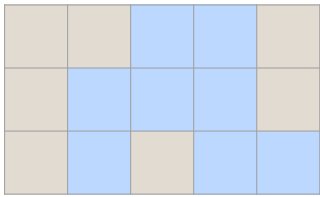
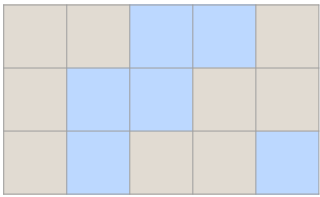
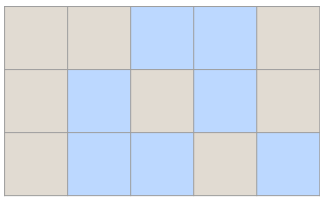
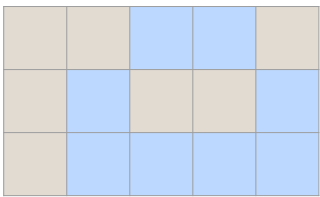
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	9	Input 2	17
Output	11	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	1	Input 2	14
Output	3	Output	16
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	22	Input 2	6
Output	24	Output	8
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

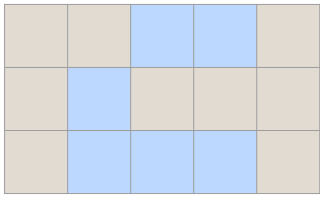
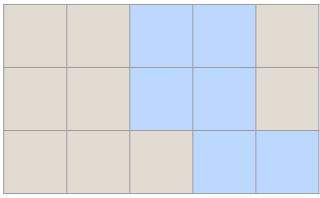
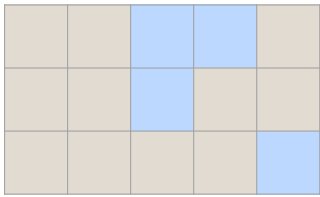
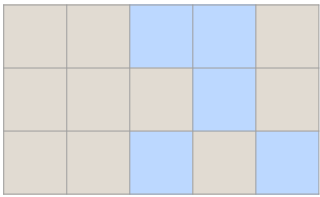
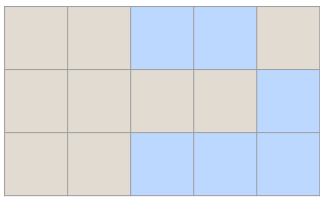
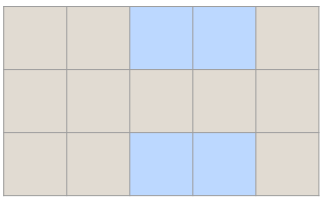
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	26	Input 2	10
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	18	Input 2	2
Output	20	Output	4
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	28	Input 2	12
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

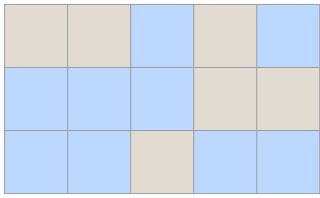
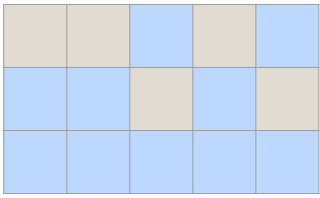
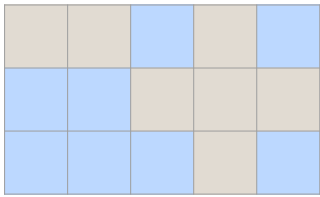
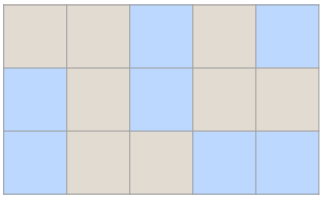
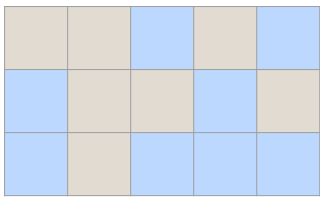
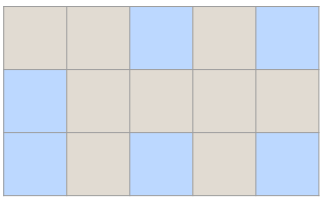
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	20	Input 2	4
Output	22	Output	6
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	24	Input 2	8
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	2	Input 1	2
Input 2	16	Input 2	0
Output	18	Output	2
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

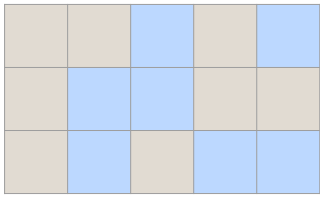
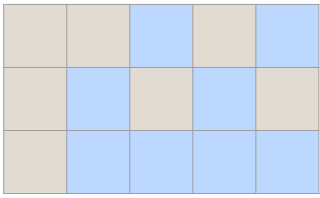
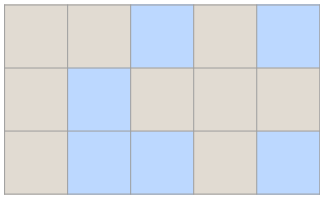
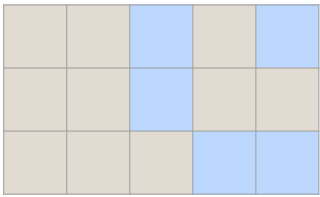
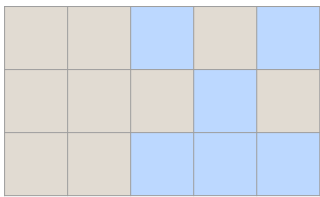
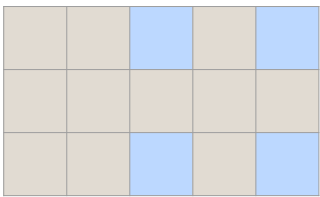
Arithmetic		Arithmetic	
Input 1	28	Input 1	28
Input 2	3	Input 2	1
Output	31	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	28	Input 1	28
Input 2	2	Input 2	0
Output	30	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	15	Input 2	7
Output	27	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

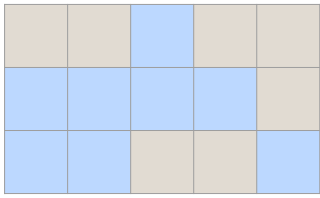
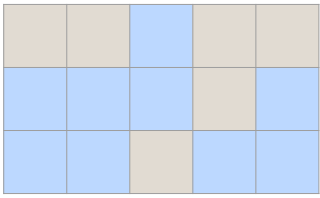
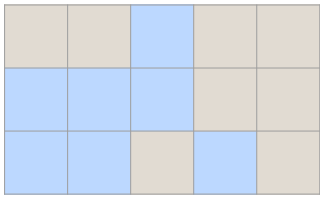
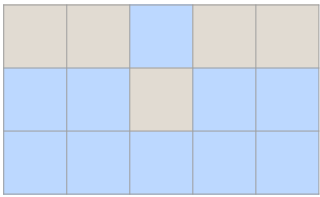
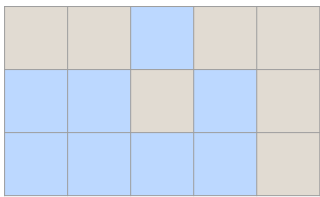
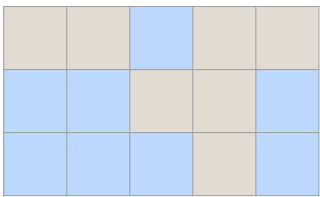
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	11	Input 2	19
Output	23	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	3	Input 2	13
Output	15	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	5	Input 2	9
Output	17	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

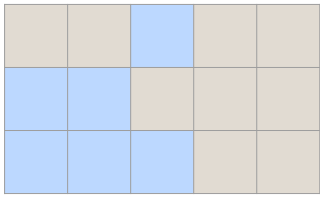
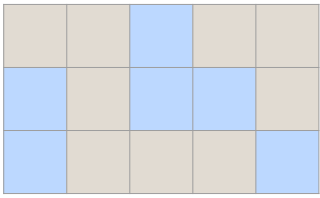
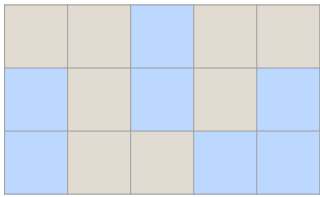
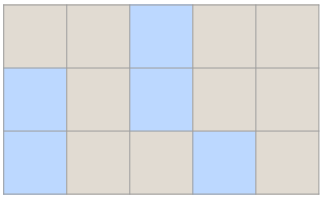
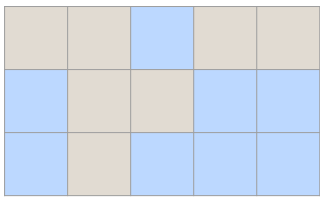
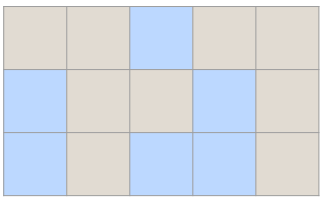
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	17	Input 2	1
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	14	Input 2	6
Output	26	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	10	Input 2	18
Output	22	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

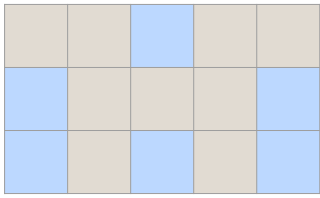
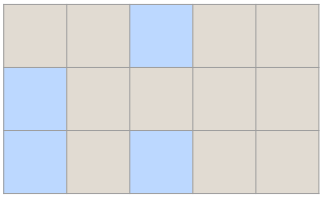
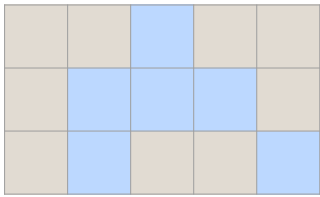
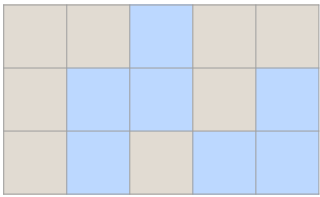
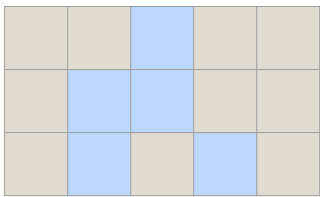
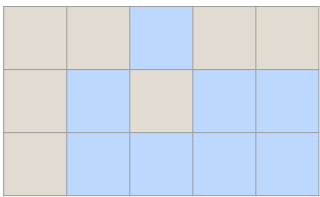
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	2	Input 2	12
Output	14	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	4	Input 2	8
Output	16	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	12	Input 1	12
Input 2	16	Input 2	0
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	20	Input 1	20
Input 2	7	Input 2	11
Output	27	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	20	Input 1	20
Input 2	3	Input 2	5
Output	23	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	20	Input 1	20
Input 2	9	Input 2	1
Output	29	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

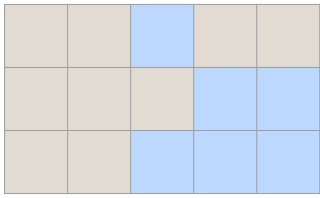
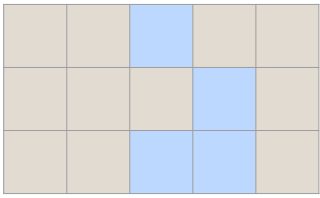
Arithmetic		Arithmetic	
Input 1	20	Input 1	20
Input 2	6	Input 2	10
Output	26	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	20	Input 1	20
Input 2	2	Input 2	4
Output	22	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	20	Input 1	20
Input 2	8	Input 2	0
Output	28	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

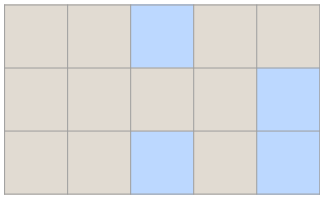
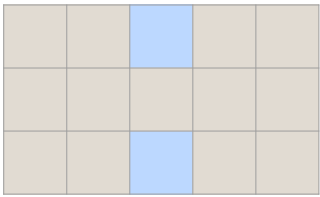
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	15	Input 2	23
Output	19	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	7	Input 2	27
Output	11	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	11	Input 2	19
Output	15	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

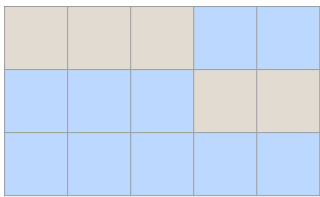
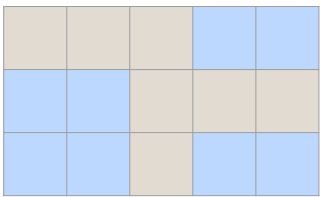
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	3	Input 2	13
Output	7	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	21	Input 2	5
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	25	Input 2	9
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

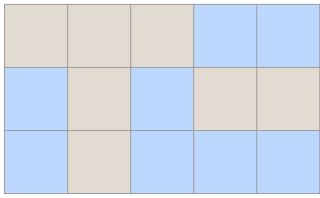
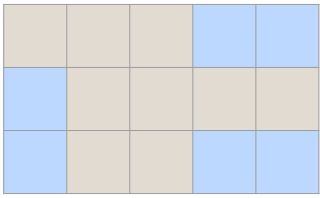
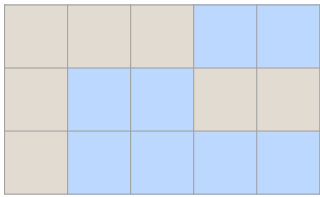
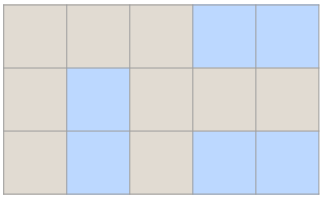
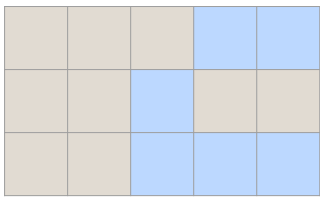
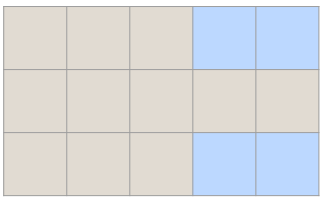
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	17	Input 2	1
Output	21	Output	5
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	14	Input 2	22
Output	18	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	6	Input 2	26
Output	10	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	10	Input 2	18
Output	14	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	2	Input 2	12
Output	6	Output	16
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	20	Input 2	4
Output	24	Output	8
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	24	Input 2	8
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	4	Input 1	4
Input 2	16	Input 2	0
Output	20	Output	4
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	24	Input 1	24
Input 2	7	Input 2	3
Output	31	Output	27
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

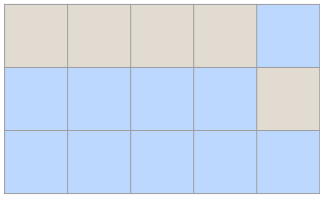
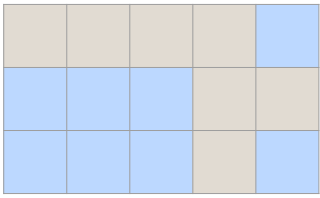
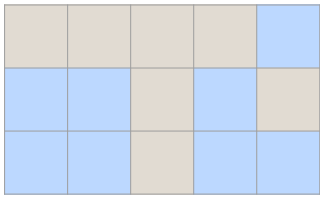
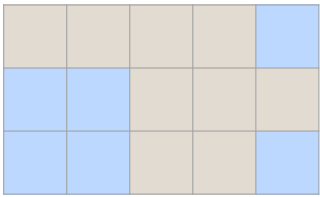
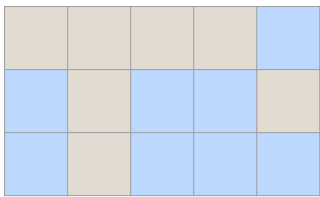
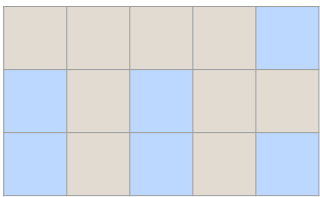
Arithmetic		Arithmetic	
Input 1	24	Input 1	24
Input 2	5	Input 2	1
Output	29	Output	25
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	24	Input 1	24
Input 2	6	Input 2	2
Output	30	Output	26
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	24	Input 1	24
Input 2	4	Input 2	0
Output	28	Output	24
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	15	Input 2	23
Output	23	Output	31
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	7	Input 2	11
Output	15	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	19	Input 2	3
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

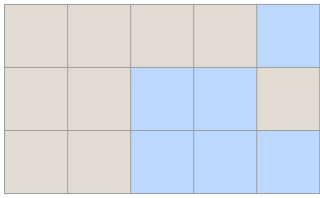
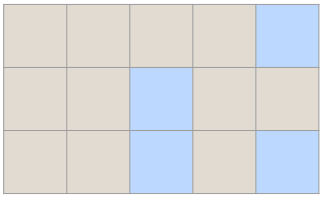
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	13	Input 2	21
Output	21	Output	29
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	5	Input 2	9
Output	13	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	17	Input 2	1
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

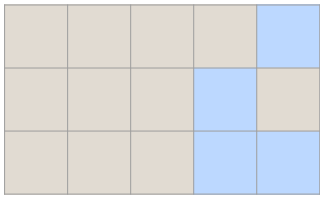
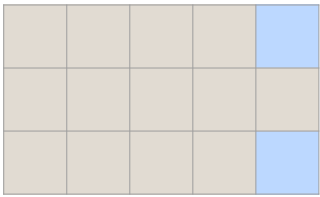
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	14	Input 2	22
Output	22	Output	30
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	6	Input 2	10
Output	14	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	18	Input 2	2
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

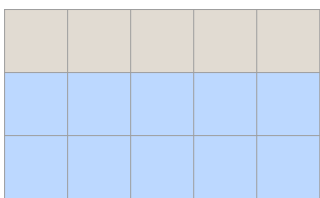
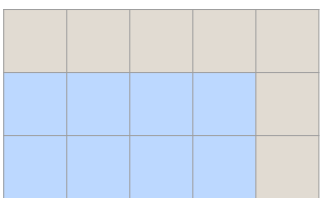
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	12	Input 2	20
Output	20	Output	28
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	4	Input 2	8
Output	12	Output	16
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	8	Input 1	8
Input 2	16	Input 2	0
Output	24	Output	8
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

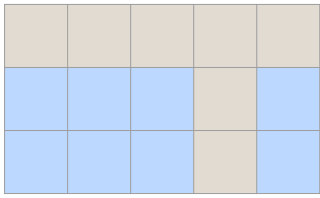
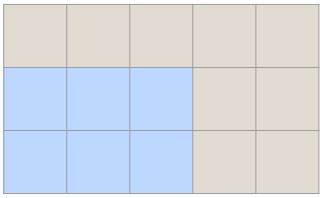
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	15	Input 2	7
Output	31	Output	23
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	11	Input 2	3
Output	27	Output	19
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	13	Input 2	5
Output	29	Output	21
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

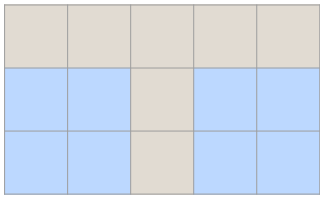
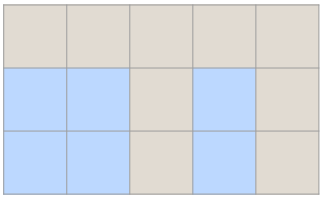
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	9	Input 2	1
Output	25	Output	17
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	14	Input 2	6
Output	30	Output	22
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	10	Input 2	2
Output	26	Output	18
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

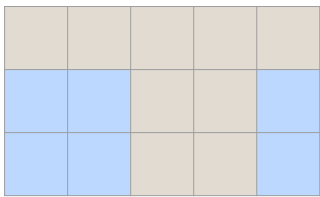
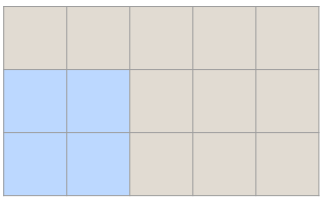
Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	12	Input 2	4
Output	28	Output	20
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	16	Input 1	16
Input 2	8	Input 2	0
Output	24	Output	16
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	31	Input 2	15
Output	31	Output	15
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	23	Input 2	7
Output	23	Output	7
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

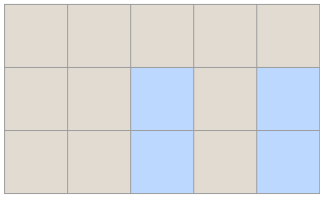
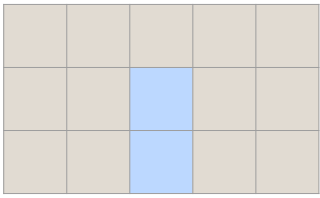
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	27	Input 2	11
Output	27	Output	11
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

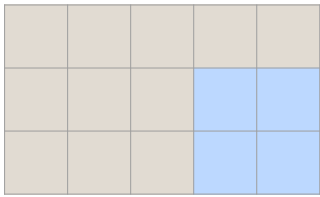
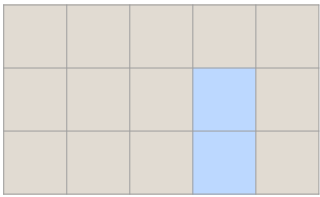
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	19	Input 2	3
Output	19	Output	3
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

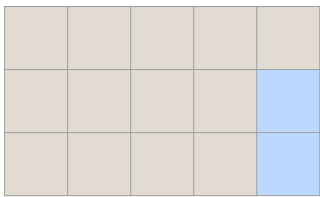
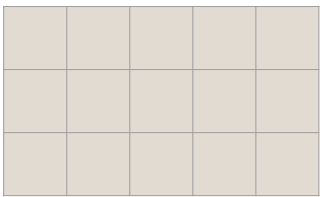
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	29	Input 2	13
Output	29	Output	13
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	21	Input 2	5
Output	21	Output	5
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	25	Input 2	9
Output	25	Output	9
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	17	Input 2	1
Output	17	Output	1
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	30	Input 2	14
Output	30	Output	14
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	22	Input 2	6
Output	22	Output	6
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	26	Input 2	10
Output	26	Output	10
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	18	Input 2	2
Output	18	Output	2
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	28	Input 2	12
Output	28	Output	12
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	20	Input 2	4
Output	20	Output	4
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	24	Input 2	8
Output	24	Output	8
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

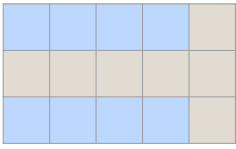
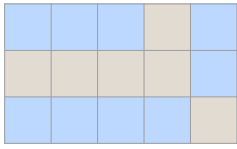
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	16	Input 2	0
Output	16	Output	0
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	1

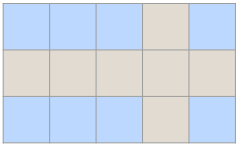
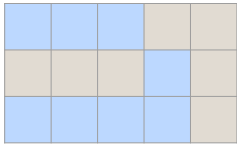
1.2 T_{FC} Blocks

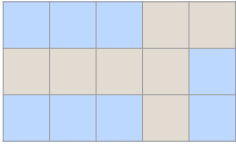
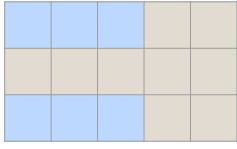
Next, we repeat for T_{FC} blocks. One can check that there are 496 possible operations to verify whose output can be encoded in a length-five T_{FC} block: $\text{Card}(\{(x, y) \in \mathcal{I}_{T_{FC}} \mid x + y < 32\}) = 496$. Each possible input pair is fed to the 2AALU. The

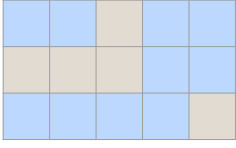
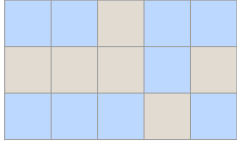
output, $(\omega_1, \omega_2, \omega_3, \omega_4, \omega_5)$, is then checked; it is verified that the entries in the list, as 2-adic expansion coefficients, sum to the correct output thusly:

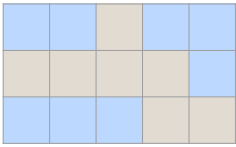
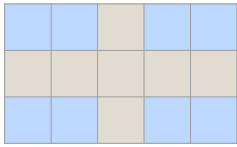
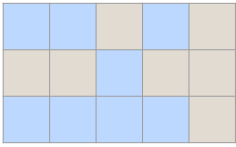
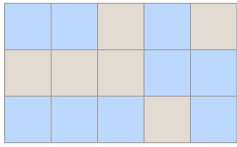
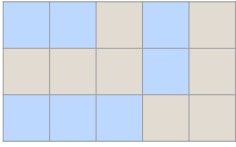
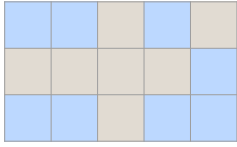
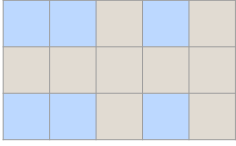
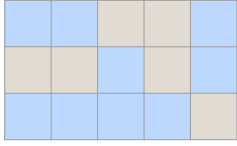
$$\sum_{k=1}^5 \omega_k 2^{-k}$$

Arithmetic		Arithmetic	
Input 1	$\frac{15}{16}$	Input 1	$\frac{29}{32}$
Input 2	0	Input 2	$\frac{1}{32}$
Output	$\frac{15}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

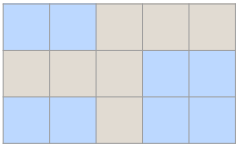
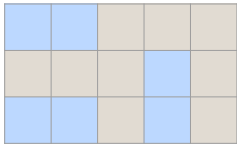
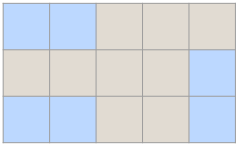
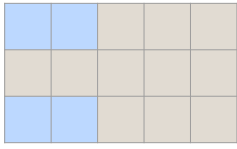
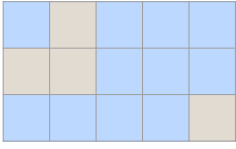
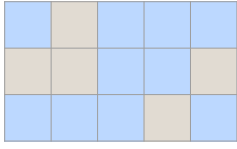
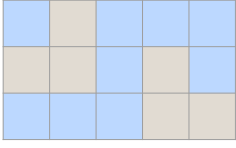
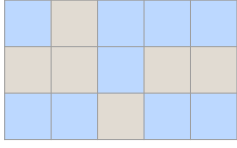
Arithmetic		Arithmetic	
Input 1	$\frac{29}{32}$	Input 1	$\frac{7}{8}$
Input 2	0	Input 2	$\frac{1}{16}$
Output	$\frac{29}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{8}$	Input 1	$\frac{7}{8}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{27}{32}$	Input 1	$\frac{27}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

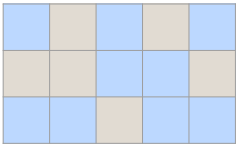
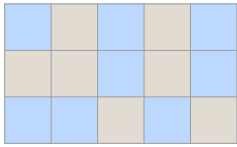
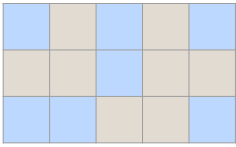
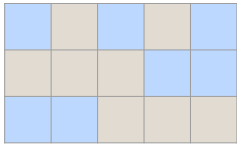
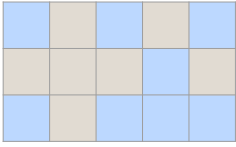
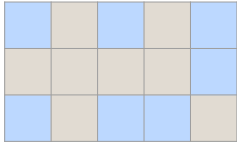
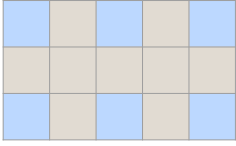
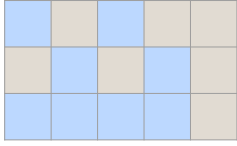
Arithmetic		Arithmetic	
Input 1	$\frac{27}{32}$	Input 1	$\frac{27}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{16}$	Input 1	$\frac{13}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{16}$	Input 1	$\frac{13}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{16}$	Input 1	$\frac{25}{32}$
Input 2	0	Input 2	$\frac{5}{32}$
Output	$\frac{13}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

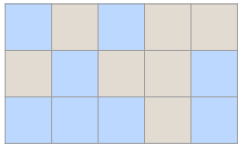
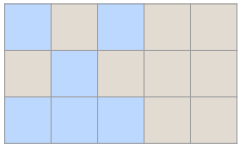
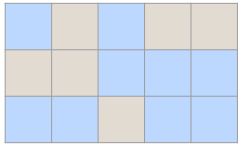
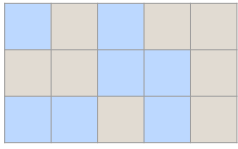
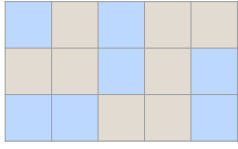
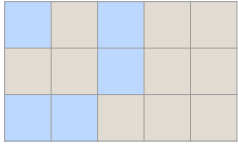
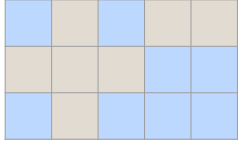
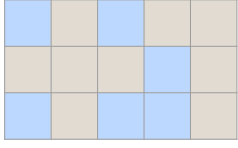
Arithmetic		Arithmetic	
Input 1	$\frac{25}{32}$	Input 1	$\frac{25}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{25}{32}$	Input 1	$\frac{25}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{25}{32}$	Input 1	$\frac{3}{4}$
Input 2	0	Input 2	$\frac{3}{16}$
Output	$\frac{25}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{4}$	Input 1	$\frac{3}{4}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{4}$	Input 1	$\frac{3}{4}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{4}$	Input 1	$\frac{3}{4}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{23}{32}$	Input 1	$\frac{23}{32}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{23}{32}$	Input 1	$\frac{23}{32}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

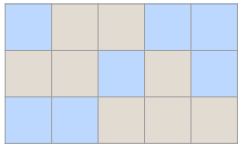
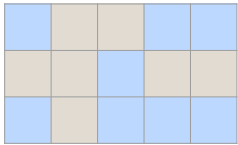
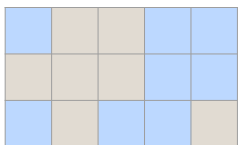
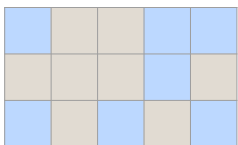
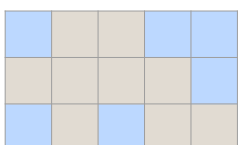
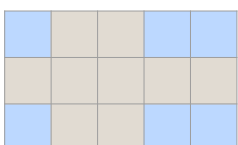
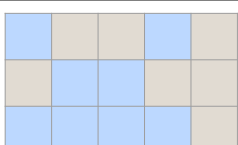
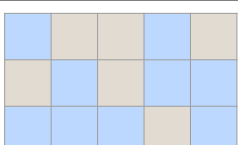
Arithmetic		Arithmetic	
Input 1	$\frac{23}{32}$	Input 1	$\frac{23}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{23}{32}$	Input 1	$\frac{23}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{16}$	Input 1	$\frac{11}{16}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{16}$	Input 1	$\frac{11}{16}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

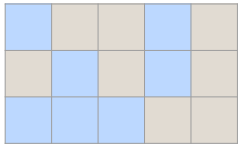
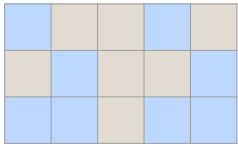
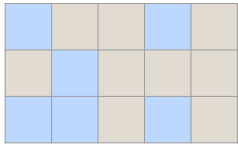
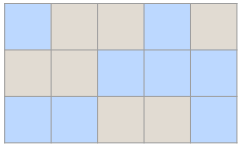
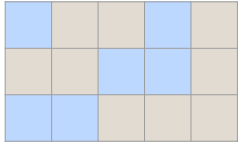
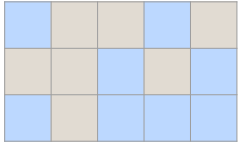
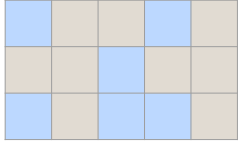
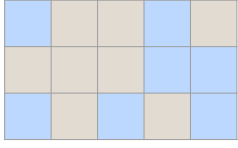
Arithmetic		Arithmetic	
Input 1	$\frac{11}{16}$	Input 1	$\frac{11}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{16}$	Input 1	$\frac{11}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{16}$	Input 1	$\frac{21}{32}$
Input 2	0	Input 2	$\frac{9}{32}$
Output	$\frac{11}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{21}{32}$	Input 1	$\frac{21}{32}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{21}{32}$	Input 1	$\frac{21}{32}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{21}{32}$	Input 1	$\frac{21}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{21}{32}$	Input 1	$\frac{21}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{21}{32}$	Input 1	$\frac{5}{8}$
Input 2	0	Input 2	$\frac{5}{16}$
Output	$\frac{21}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

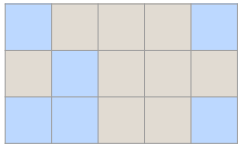
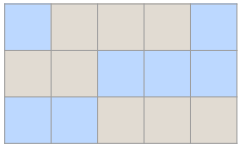
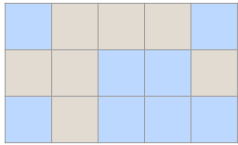
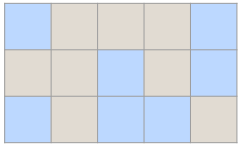
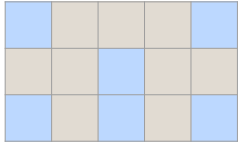
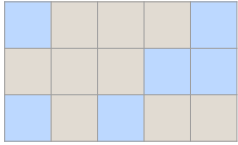
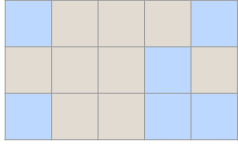
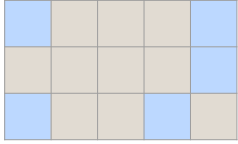
Arithmetic		Arithmetic	
Input 1	$\frac{5}{8}$	Input 1	$\frac{5}{8}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{8}$	Input 1	$\frac{5}{8}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{8}$	Input 1	$\frac{5}{8}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{8}$	Input 1	$\frac{5}{8}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{5}{8}$	Input 1	$\frac{5}{8}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{19}{32}$	Input 1	$\frac{19}{32}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{19}{32}$	Input 1	$\frac{19}{32}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{19}{32}$	Input 1	$\frac{19}{32}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{19}{32}$	Input 1	$\frac{19}{32}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{19}{32}$	Input 1	$\frac{19}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{19}{32}$	Input 1	$\frac{19}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{9}{16}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{9}{16}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{9}{16}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{9}{16}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{9}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{9}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{16}$	Input 1	$\frac{17}{32}$
Input 2	0	Input 2	$\frac{13}{32}$
Output	$\frac{9}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{17}{32}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{17}{32}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

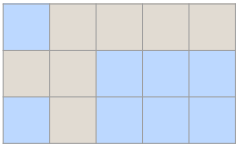
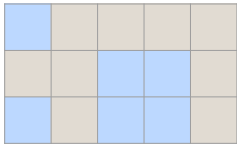
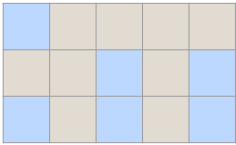
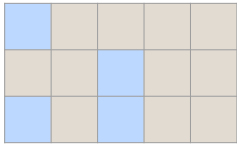
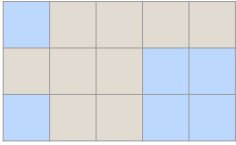
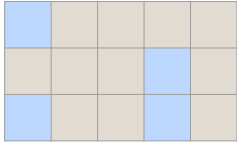
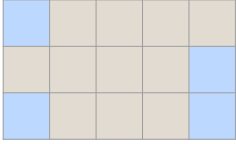
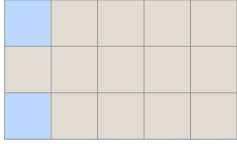
Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{17}{32}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{17}{32}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{17}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{17}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{17}{32}$	Input 1	$\frac{1}{2}$
Input 2	0	Input 2	$\frac{7}{16}$
Output	$\frac{17}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

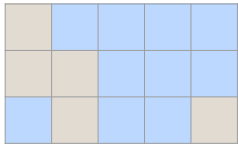
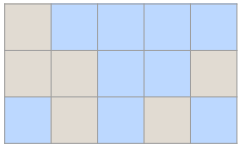
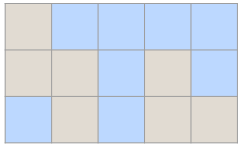
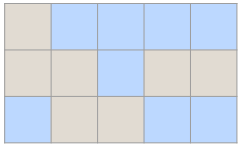
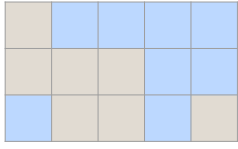
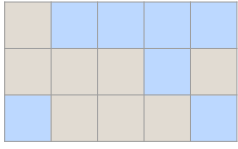
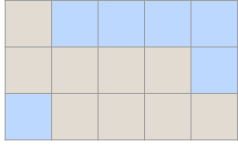
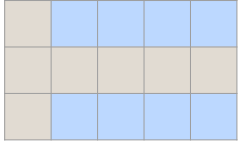
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

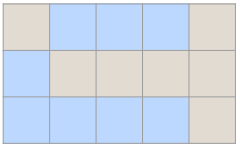
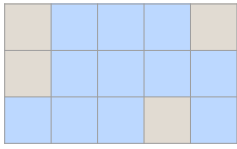
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

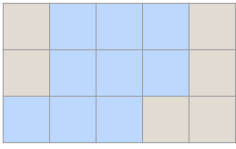
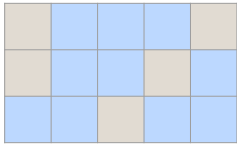
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

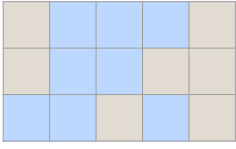
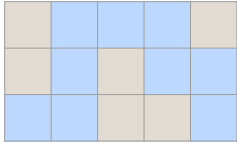
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{2}$	Input 1	$\frac{1}{2}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

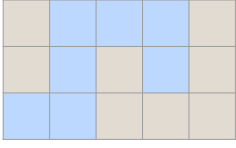
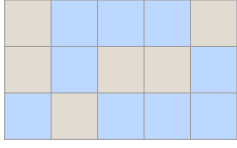
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{15}{32}$	Input 1	$\frac{15}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

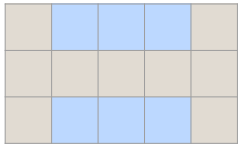
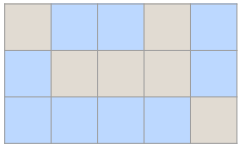
Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

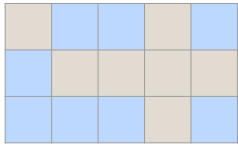
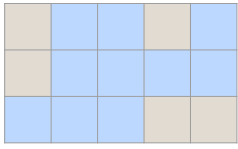
Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

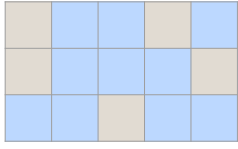
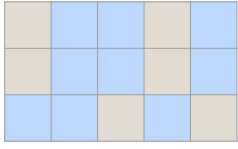
Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

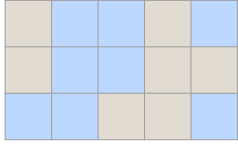
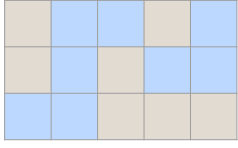
Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

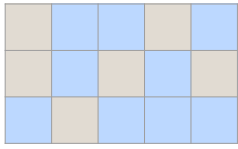
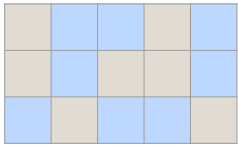
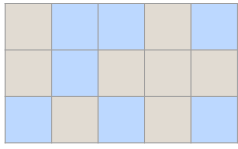
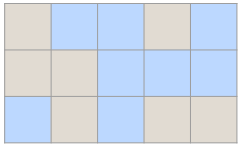
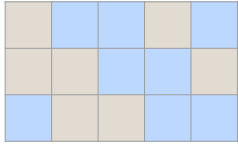
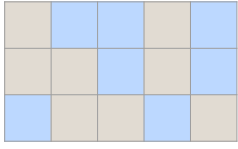
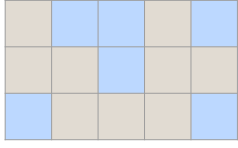
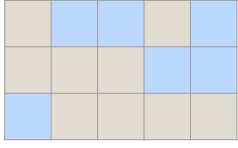
Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{7}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

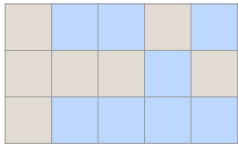
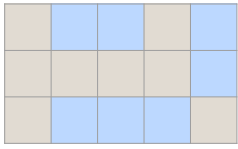
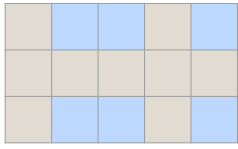
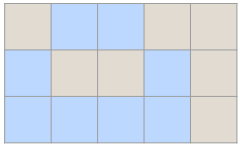
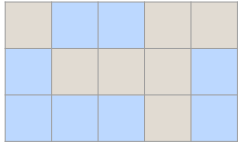
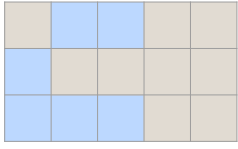
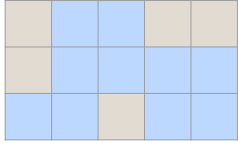
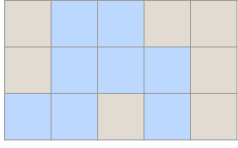
Arithmetic		Arithmetic	
Input 1	$\frac{7}{16}$	Input 1	$\frac{13}{32}$
Input 2	0	Input 2	$\frac{17}{32}$
Output	$\frac{7}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

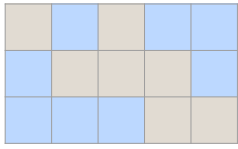
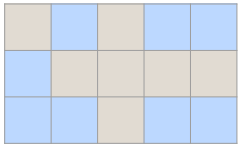
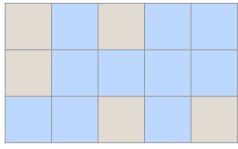
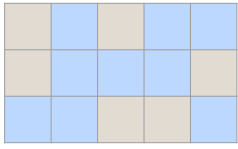
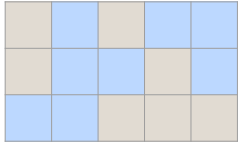
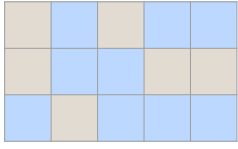
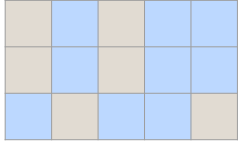
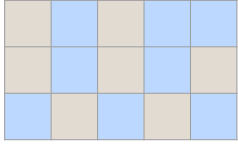
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

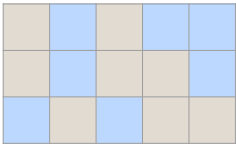
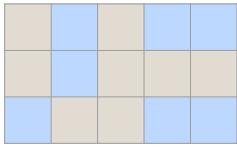
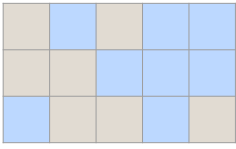
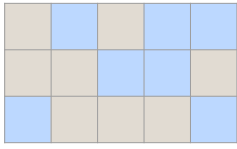
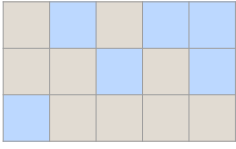
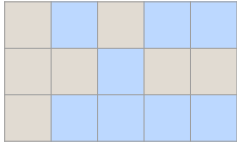
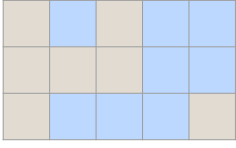
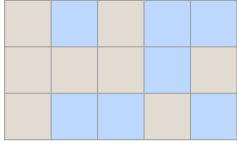
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

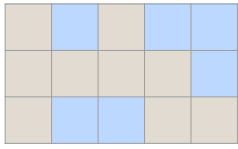
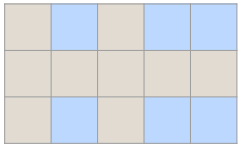
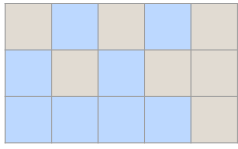
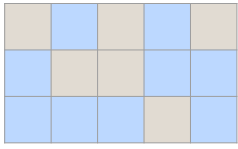
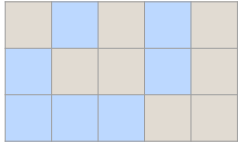
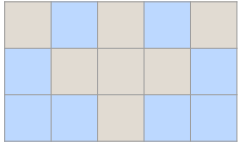
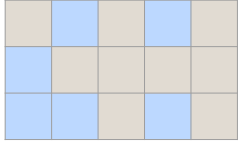
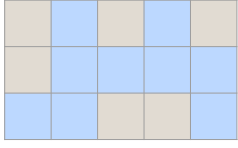
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{13}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{13}{32}$	Input 1	$\frac{3}{8}$
Input 2	0	Input 2	$\frac{9}{16}$
Output	$\frac{13}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

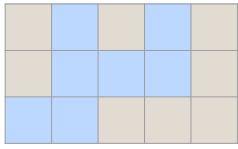
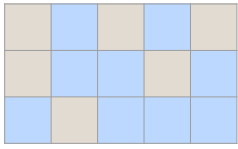
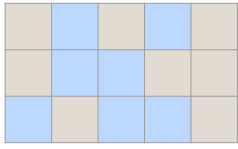
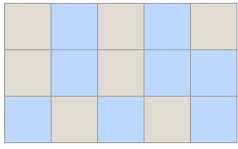
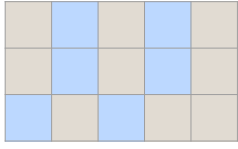
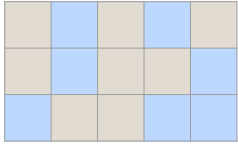
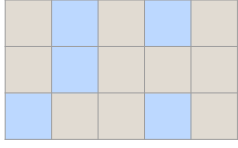
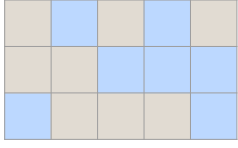
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{8}$	Input 1	$\frac{3}{8}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{19}{32}$	Input 2	$\frac{9}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

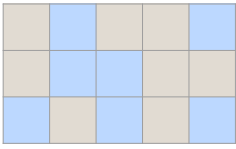
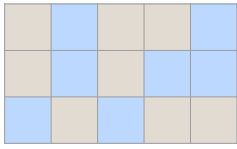
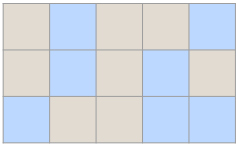
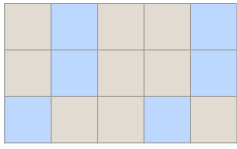
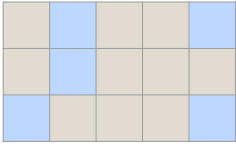
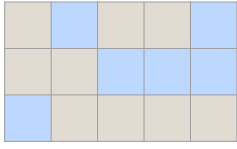
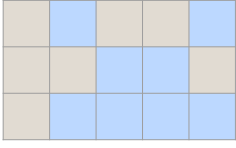
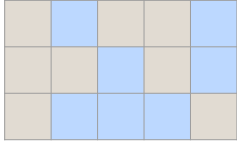
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{7}{16}$	Output	$\frac{13}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{11}{32}$	Input 1	$\frac{11}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{3}{8}$	Output	$\frac{11}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{5}{8}$	Input 2	$\frac{19}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{9}{16}$	Input 2	$\frac{17}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{7}{16}$	Output	$\frac{13}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{5}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{3}{8}$	Output	$\frac{11}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{16}$	Input 1	$\frac{9}{32}$
Input 2	0	Input 2	$\frac{21}{32}$
Output	$\frac{5}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{5}{8}$	Input 2	$\frac{19}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{9}{16}$	Input 2	$\frac{17}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

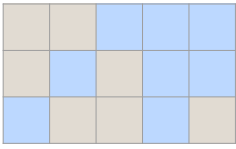
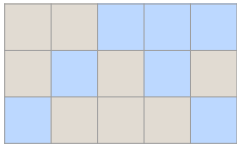
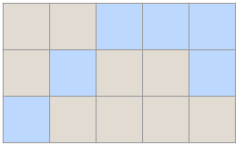
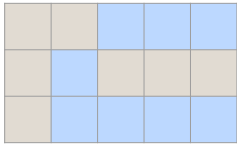
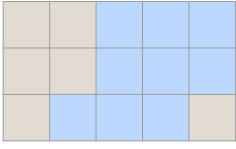
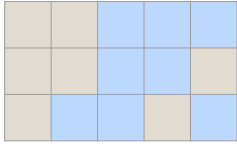
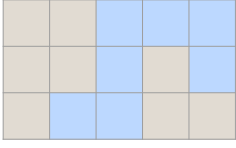
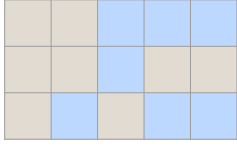
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{9}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{11}{32}$	Output	$\frac{5}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{9}{32}$	Input 1	$\frac{1}{4}$
Input 2	0	Input 2	$\frac{11}{16}$
Output	$\frac{9}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{21}{32}$	Input 2	$\frac{5}{8}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{19}{32}$	Input 2	$\frac{9}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{11}{32}$	Output	$\frac{5}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{4}$	Input 1	$\frac{1}{4}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{9}{32}$	Output	$\frac{1}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{23}{32}$	Input 2	$\frac{11}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{21}{32}$	Input 2	$\frac{5}{8}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{19}{32}$	Input 2	$\frac{9}{16}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{7}{16}$	Output	$\frac{13}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{3}{8}$	Output	$\frac{11}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{5}{16}$	Output	$\frac{9}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{7}{32}$	Input 1	$\frac{7}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{1}{4}$	Output	$\frac{7}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

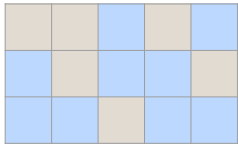
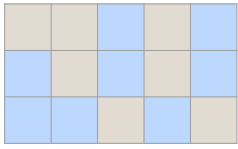
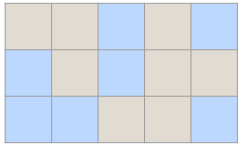
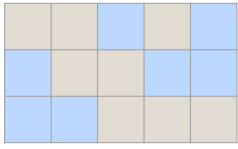
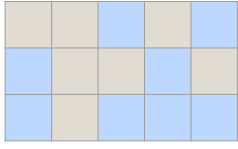
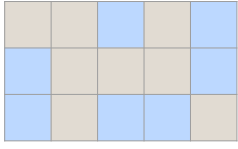
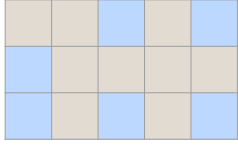
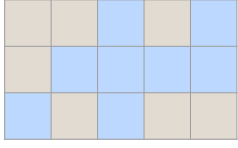
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{3}{4}$	Input 2	$\frac{23}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{11}{16}$	Input 2	$\frac{21}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

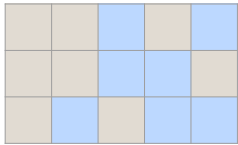
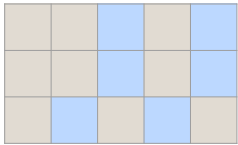
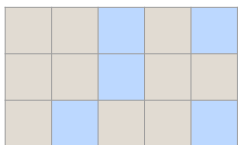
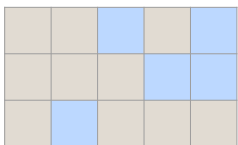
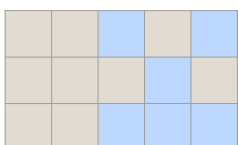
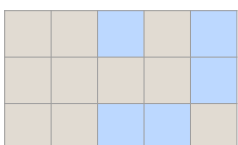
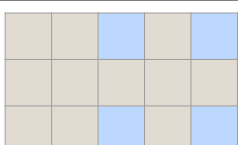
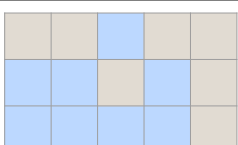
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{5}{8}$	Input 2	$\frac{19}{32}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{9}{16}$	Input 2	$\frac{17}{32}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{7}{16}$	Output	$\frac{13}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{3}{8}$	Output	$\frac{11}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{5}{16}$	Output	$\frac{9}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{3}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{1}{4}$	Output	$\frac{7}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{16}$	Input 1	$\frac{5}{32}$
Input 2	0	Input 2	$\frac{25}{32}$
Output	$\frac{3}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{3}{4}$	Input 2	$\frac{23}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{11}{16}$	Input 2	$\frac{21}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{5}{8}$	Input 2	$\frac{19}{32}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{9}{16}$	Input 2	$\frac{17}{32}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

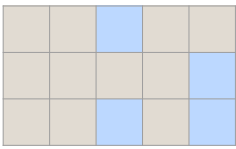
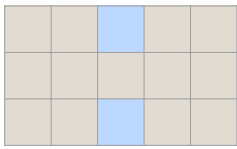
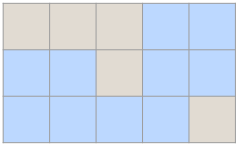
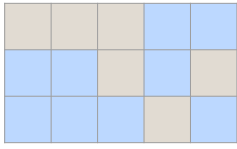
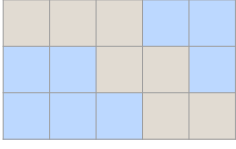
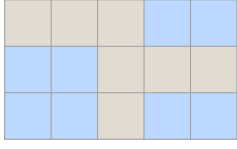
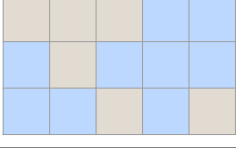
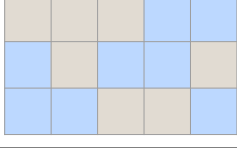
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{11}{32}$	Output	$\frac{5}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{9}{32}$	Output	$\frac{1}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{5}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{7}{32}$	Output	$\frac{3}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{5}{32}$	Input 1	$\frac{1}{8}$
Input 2	0	Input 2	$\frac{13}{16}$
Output	$\frac{5}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{25}{32}$	Input 2	$\frac{3}{4}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{23}{32}$	Input 2	$\frac{11}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{21}{32}$	Input 2	$\frac{5}{8}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{19}{32}$	Input 2	$\frac{9}{16}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

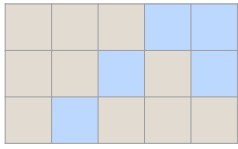
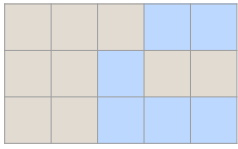
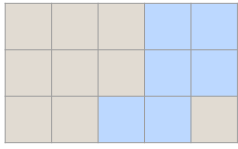
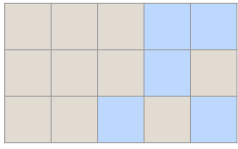
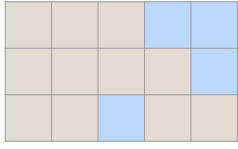
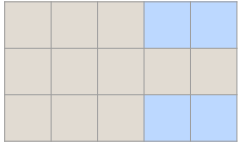
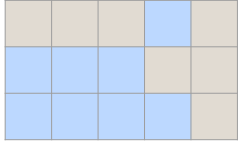
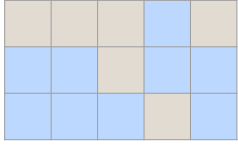
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

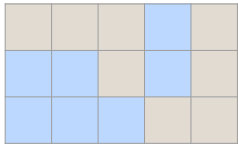
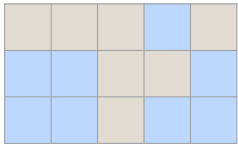
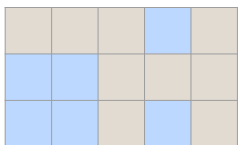
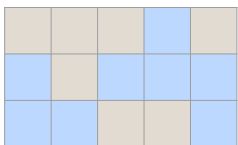
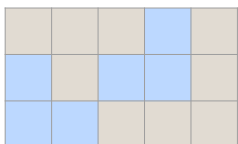
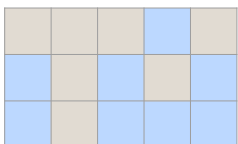
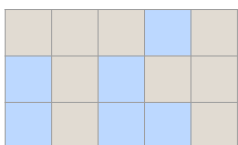
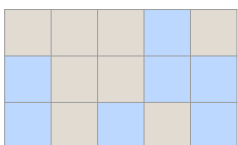
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{11}{32}$	Output	$\frac{5}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{9}{32}$	Output	$\frac{1}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{7}{32}$	Output	$\frac{3}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{8}$	Input 1	$\frac{1}{8}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{5}{32}$	Output	$\frac{1}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{27}{32}$	Input 2	$\frac{13}{16}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{25}{32}$	Input 2	$\frac{3}{4}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{23}{32}$	Input 2	$\frac{11}{16}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{21}{32}$	Input 2	$\frac{5}{8}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{19}{32}$	Input 2	$\frac{9}{16}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{7}{16}$	Output	$\frac{13}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{3}{8}$	Output	$\frac{11}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{5}{16}$	Output	$\frac{9}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{1}{4}$	Output	$\frac{7}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{3}{16}$	Output	$\frac{5}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{3}{32}$	Input 1	$\frac{3}{32}$
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{1}{8}$	Output	$\frac{3}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{7}{8}$	Input 2	$\frac{27}{32}$
Output	$\frac{15}{16}$	Output	$\frac{29}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{13}{16}$	Input 2	$\frac{25}{32}$
Output	$\frac{7}{8}$	Output	$\frac{27}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{3}{4}$	Input 2	$\frac{23}{32}$
Output	$\frac{13}{16}$	Output	$\frac{25}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{11}{16}$	Input 2	$\frac{21}{32}$
Output	$\frac{3}{4}$	Output	$\frac{23}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{5}{8}$	Input 2	$\frac{19}{32}$
Output	$\frac{11}{16}$	Output	$\frac{21}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{9}{16}$	Input 2	$\frac{17}{32}$
Output	$\frac{5}{8}$	Output	$\frac{19}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{9}{16}$	Output	$\frac{17}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{1}{2}$	Output	$\frac{15}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{7}{16}$	Output	$\frac{13}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

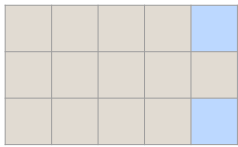
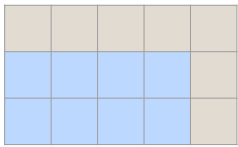
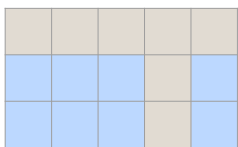
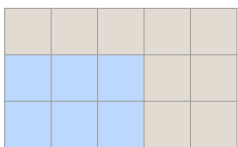
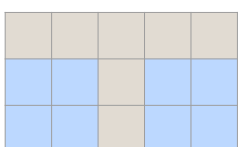
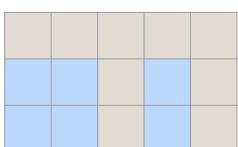
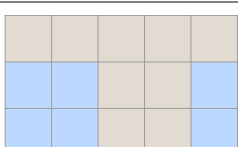
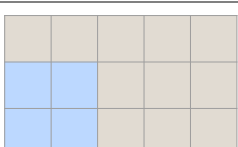
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{3}{8}$	Output	$\frac{11}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{5}{16}$	Output	$\frac{9}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{1}{4}$	Output	$\frac{7}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{3}{16}$	Output	$\frac{5}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{16}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{1}{8}$	Output	$\frac{3}{32}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{16}$	Input 1	$\frac{1}{32}$
Input 2	0	Input 2	$\frac{29}{32}$
Output	$\frac{1}{16}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{7}{8}$	Input 2	$\frac{27}{32}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{13}{16}$	Input 2	$\frac{25}{32}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{3}{4}$	Input 2	$\frac{23}{32}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{11}{16}$	Input 2	$\frac{21}{32}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{5}{8}$	Input 2	$\frac{19}{32}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{9}{16}$	Input 2	$\frac{17}{32}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

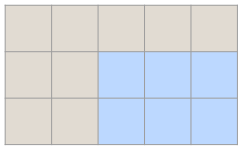
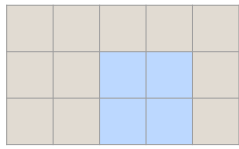
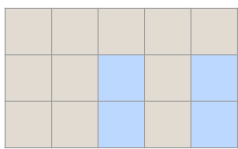
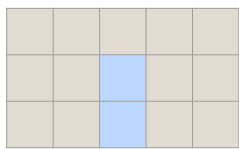
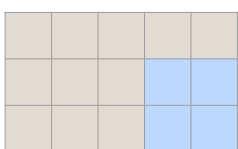
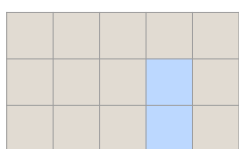
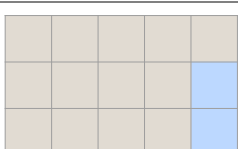
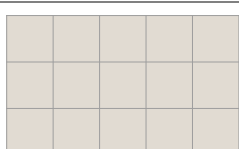
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{1}{2}$	Input 2	$\frac{15}{32}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{7}{16}$	Input 2	$\frac{13}{32}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{3}{8}$	Input 2	$\frac{11}{32}$
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{5}{16}$	Input 2	$\frac{9}{32}$
Output	$\frac{11}{32}$	Output	$\frac{5}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{1}{4}$	Input 2	$\frac{7}{32}$
Output	$\frac{9}{32}$	Output	$\frac{1}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{3}{16}$	Input 2	$\frac{5}{32}$
Output	$\frac{7}{32}$	Output	$\frac{3}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{1}{8}$	Input 2	$\frac{3}{32}$
Output	$\frac{5}{32}$	Output	$\frac{1}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	$\frac{1}{32}$
Input 2	$\frac{1}{16}$	Input 2	$\frac{1}{32}$
Output	$\frac{3}{32}$	Output	$\frac{1}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	$\frac{1}{32}$	Input 1	0
Input 2	0	Input 2	$\frac{15}{16}$
Output	$\frac{1}{32}$	Output	$\frac{15}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{29}{32}$	Input 2	$\frac{7}{8}$
Output	$\frac{29}{32}$	Output	$\frac{7}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{27}{32}$	Input 2	$\frac{13}{16}$
Output	$\frac{27}{32}$	Output	$\frac{13}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{25}{32}$	Input 2	$\frac{3}{4}$
Output	$\frac{25}{32}$	Output	$\frac{3}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{23}{32}$	Input 2	$\frac{11}{16}$
Output	$\frac{23}{32}$	Output	$\frac{11}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{21}{32}$	Input 2	$\frac{5}{8}$
Output	$\frac{21}{32}$	Output	$\frac{5}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{19}{32}$	Input 2	$\frac{9}{16}$
Output	$\frac{19}{32}$	Output	$\frac{9}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{17}{32}$	Input 2	$\frac{1}{2}$
Output	$\frac{17}{32}$	Output	$\frac{1}{2}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{15}{32}$	Input 2	$\frac{7}{16}$
Output	$\frac{15}{32}$	Output	$\frac{7}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{13}{32}$	Input 2	$\frac{3}{8}$
Output	$\frac{13}{32}$	Output	$\frac{3}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{11}{32}$	Input 2	$\frac{5}{16}$
Output	$\frac{11}{32}$	Output	$\frac{5}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{9}{32}$	Input 2	$\frac{1}{4}$
Output	$\frac{9}{32}$	Output	$\frac{1}{4}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

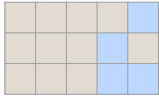
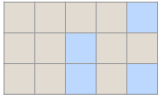
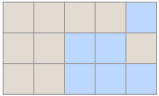
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{7}{32}$	Input 2	$\frac{3}{16}$
Output	$\frac{7}{32}$	Output	$\frac{3}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{5}{32}$	Input 2	$\frac{1}{8}$
Output	$\frac{5}{32}$	Output	$\frac{1}{8}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{3}{32}$	Input 2	$\frac{1}{16}$
Output	$\frac{3}{32}$	Output	$\frac{1}{16}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True
Arithmetic		Arithmetic	
Input 1	0	Input 1	0
Input 2	$\frac{1}{32}$	Input 2	0
Output	$\frac{1}{32}$	Output	0
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	1

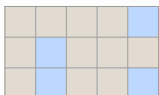
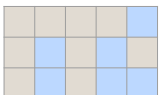
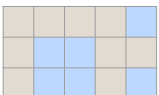
1.3 R_{FC} Blocks

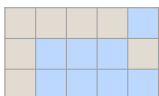
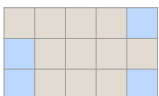
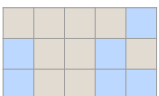
Finally, we repeat for R_{FC} blocks. One can check that there are 435 possible operations on length-five R_{FC} block inputs whose output can be encoded in a length-five R_{FC} block, 91 possible operations on length-four R_{FC} block inputs whose output can be encoded in a length-four R_{FC} block, and 15 possible operations on length-three R_{FC} block inputs to verify whose output can be encoded in a length-three R_{FC} block. For an R_{FC} block of length ℓ , whose entries ω_k have positions $\pi(\omega_k)$, the output is checked thusly:

$$\sum_{k=1}^5 \frac{2^{\pi(\omega_k)}}{1 - 2^\ell}$$

In what follows, verification of arithmetic involving same-length inputs will be tested, i.e., all 435 operations involving length-five R_{FC} block inputs, all 91 operations involving length-four R_{FC} block inputs, and all 15 operations involving length-three R_{FC} block inputs. Operations on R_{FC} block inputs of differing lengths are not shown, as their correctness is implied by the verifications provided here.

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{20}{31}$	Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{18}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{22}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{17}{31}$	Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{21}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{19}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{16}{31}$	Input 1	$-\frac{16}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{16}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{20}{31}$
Output	$-\frac{16}{31}$	Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

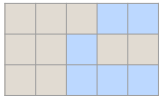
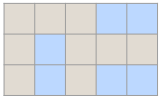
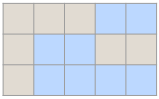
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{22}{31}$
Output	$-\frac{18}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

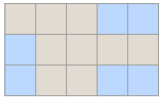
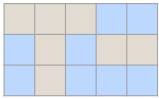
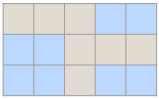
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{9}{31}$	Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

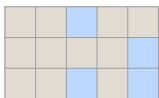
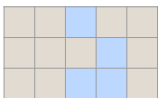
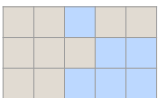
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$	Input 2	$-\frac{21}{31}$
Output	$-\frac{17}{31}$	Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$
Output	$-\frac{21}{31}$	Output	$-\frac{11}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$	Input 1	$-\frac{8}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{24}{31}$	Input 1	$-\frac{24}{31}$	Input 1	$-\frac{24}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{24}{31}$	Input 1	$-\frac{24}{31}$	Input 1	$-\frac{24}{31}$
Input 2	$-\frac{1}{31}$	Input 2	$-\frac{5}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{24}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{8}{31}$	Output	$-\frac{24}{31}$	Output	$-\frac{16}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{6}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{14}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{26}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{22}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$
Output	$-\frac{18}{31}$	Output	$-\frac{5}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{25}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{9}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{17}{31}$	Output	$-\frac{7}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$
Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{11}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{31}$	Input 1	$-\frac{4}{31}$	Input 1	$-\frac{20}{31}$
Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$	Input 2	$-\frac{8}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{19}{31}$	Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{20}{31}$	Input 1	$-\frac{20}{31}$	Input 1	$-\frac{20}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{20}{31}$	Input 1	$-\frac{20}{31}$	Input 1	$-\frac{20}{31}$
Input 2	$-\frac{6}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{29}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{20}{31}$	Input 1	$-\frac{20}{31}$	Input 1	$-\frac{20}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{20}{31}$	Output	$-\frac{16}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$
Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$
Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{14}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{18}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$
Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{17}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{15}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

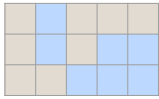
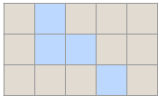
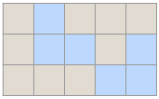
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$	Input 1	$-\frac{12}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{19}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

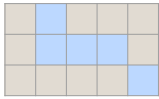
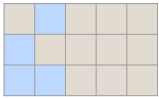
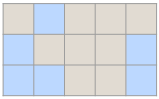
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{28}{31}$	Input 1	$-\frac{28}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{16}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

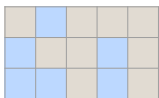
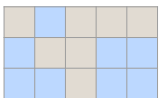
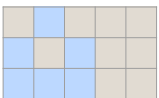
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{24}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{6}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$	Input 2	$-\frac{28}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{4}{31}$	Output	$-\frac{20}{31}$	Output	$-\frac{12}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{26}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{22}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{8}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

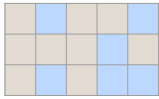
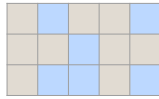
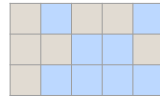
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$
Output	$-\frac{16}{31}$	Output	$-\frac{3}{31}$	Output	$-\frac{19}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

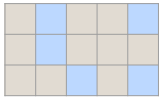
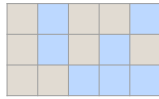
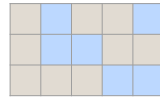
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{25}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{11}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{7}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

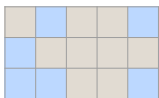
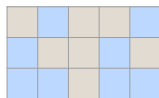
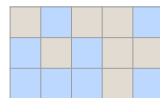
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{5}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$	Input 2	$-\frac{27}{31}$
Output	$-\frac{21}{31}$	Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$	Input 1	$-\frac{2}{31}$
Input 2	$-\frac{7}{31}$	Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{9}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{17}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$
Input 2	$-\frac{1}{31}$	Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

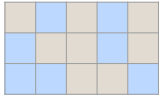
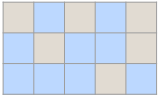
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$	Input 1	$-\frac{18}{31}$
Input 2	$-\frac{3}{31}$	Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{21}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

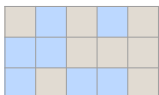
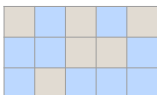
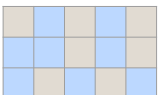
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{18}{31}$	Output	$-\frac{14}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

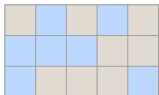
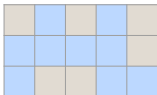
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$
Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{12}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

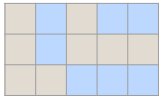
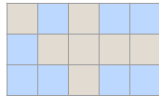
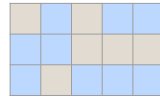
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$
Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{20}{31}$	Output	$-\frac{16}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

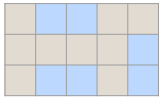
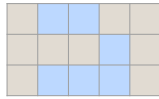
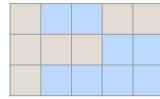
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{11}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

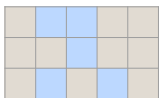
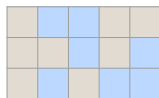
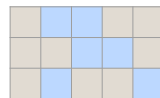
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$	Input 2	$-\frac{13}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$
Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$
Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{10}{31}$	Input 1	$-\frac{10}{31}$	Input 1	$-\frac{26}{31}$
Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{17}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{26}{31}$	Input 1	$-\frac{26}{31}$	Input 1	$-\frac{26}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{29}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{24}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{8}{31}$	Output	$-\frac{24}{31}$	Output	$-\frac{16}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

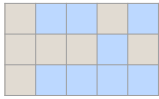
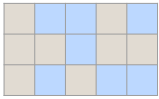
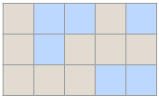
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{6}{31}$	Input 2	$-\frac{22}{31}$	Input 2	$-\frac{14}{31}$
Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{20}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

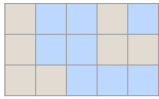
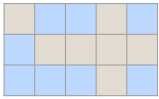
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{7}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

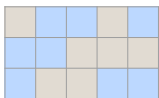
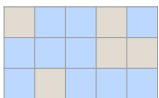
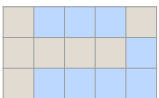
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$
Output	$-\frac{11}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{19}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

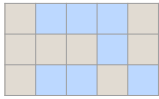
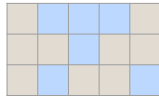
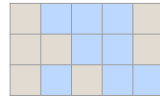
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$
Output	$-\frac{9}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{17}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

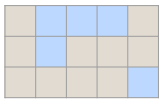
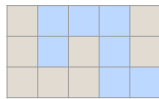
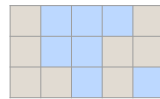
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$	Input 1	$-\frac{6}{31}$
Input 2	$-\frac{7}{31}$	Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

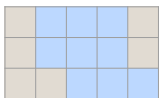
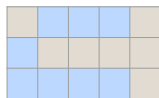
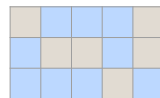
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{22}{31}$	Input 1	$-\frac{22}{31}$	Input 1	$-\frac{22}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

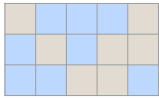
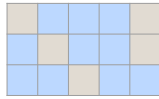
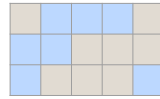
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{22}{31}$	Input 1	$-\frac{22}{31}$	Input 1	$-\frac{22}{31}$
Input 2	$-\frac{6}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

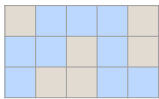
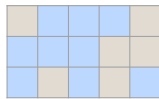
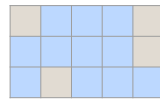
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{22}{31}$	Input 1	$-\frac{22}{31}$	Input 1	$-\frac{14}{31}$
Input 2	$-\frac{3}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{16}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

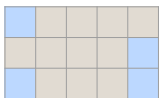
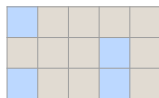
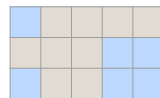
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{18}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{16}{31}$	Output	$-\frac{24}{31}$	Output	$-\frac{20}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{17}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

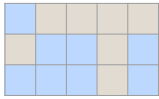
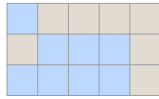
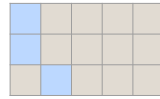
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$	Input 1	$-\frac{14}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{29}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

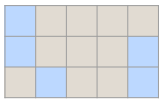
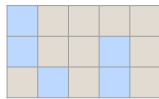
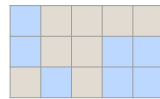
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{24}{31}$
Output	$-\frac{17}{31}$	Output	$-\frac{9}{31}$	Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

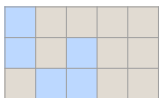
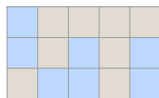
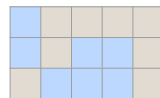
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{5}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{13}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

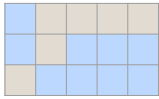
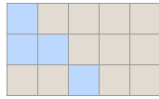
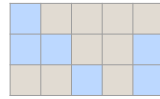
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{28}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{3}{31}$	Output	$-\frac{19}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

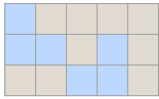
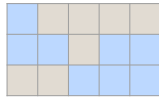
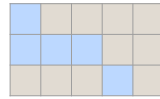
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{10}{31}$	Input 2	$-\frac{26}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{11}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{7}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

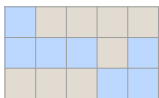
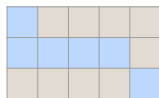
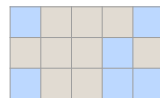
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{22}{31}$	Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{2}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

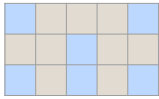
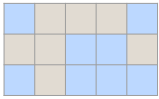
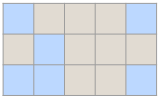
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$	Input 2	$-\frac{25}{31}$
Output	$-\frac{18}{31}$	Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

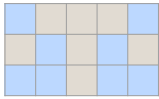
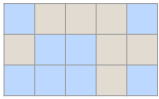
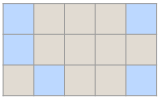
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$
Output	$-\frac{6}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{14}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

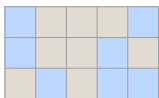
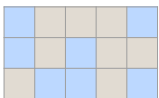
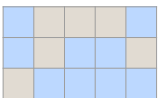
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{29}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{4}{31}$	Output	$-\frac{20}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

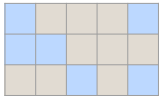
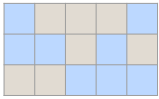
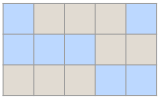
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{27}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{8}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

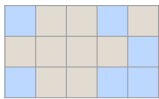
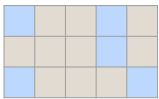
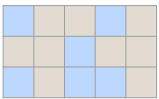
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{31}$	Input 1	$-\frac{1}{31}$	Input 1	$-\frac{17}{31}$
Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$	Input 2	$-\frac{8}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{16}{31}$	Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

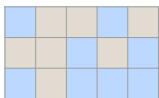
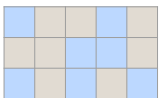
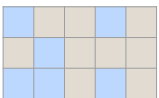
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{21}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{19}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

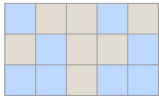
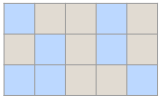
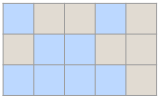
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$
Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

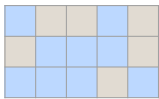
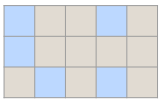
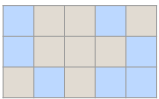
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$	Input 2	$-\frac{13}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

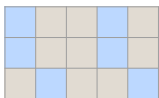
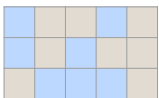
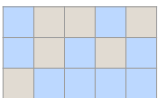
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$	Input 1	$-\frac{17}{31}$
Input 2	$-\frac{3}{31}$	Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

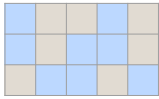
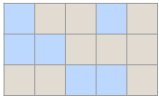
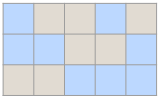
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{17}{31}$	Output	$-\frac{13}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

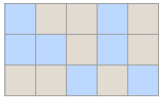
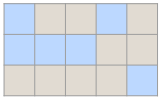
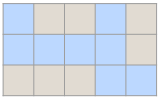
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{11}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

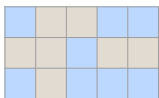
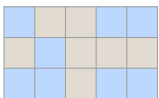
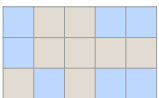
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{19}{31}$	Output	$-\frac{15}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

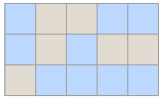
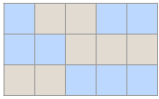
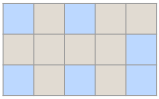
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

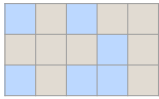
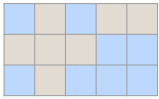
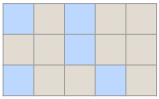
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$	Input 2	$-\frac{21}{31}$
Output	$-\frac{18}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

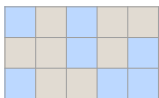
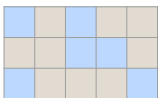
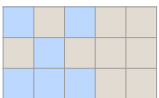
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

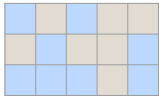
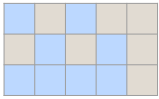
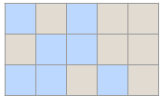
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$	Input 1	$-\frac{9}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{16}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

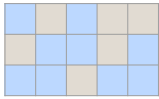
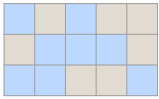
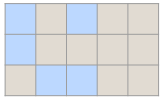
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{25}{31}$	Input 1	$-\frac{25}{31}$	Input 1	$-\frac{25}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

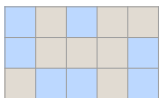
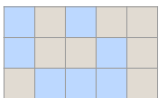
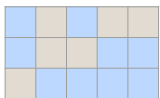
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{25}{31}$	Input 1	$-\frac{25}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{16}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{24}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{9}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{17}{31}$	Output	$-\frac{7}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

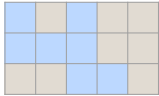
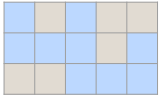
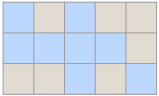
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{11}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

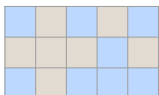
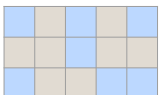
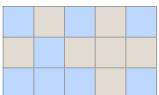
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{22}{31}$	Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{19}{31}$	Output	$-\frac{6}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

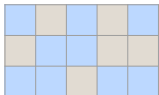
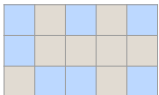
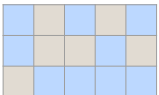
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$	Input 2	$-\frac{25}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

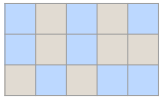
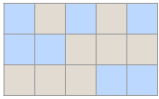
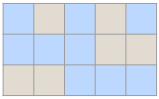
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$
Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

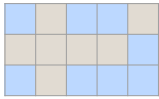
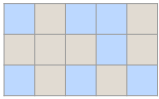
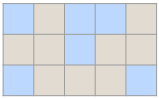
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$
Output	$-\frac{8}{31}$	Output	$-\frac{24}{31}$	Output	$-\frac{16}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

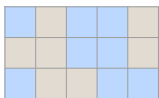
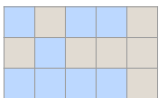
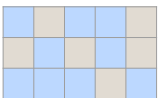
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$	Input 1	$-\frac{5}{31}$
Input 2	$-\frac{7}{31}$	Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{20}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

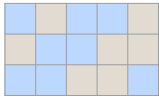
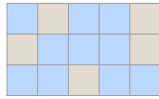
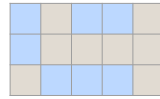
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{21}{31}$	Input 1	$-\frac{21}{31}$	Input 1	$-\frac{21}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

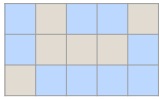
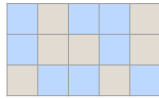
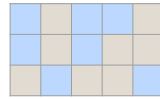
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{21}{31}$	Input 1	$-\frac{21}{31}$	Input 1	$-\frac{21}{31}$
Input 2	$-\frac{6}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

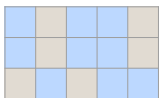
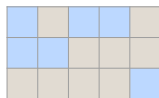
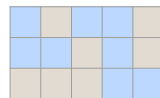
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{21}{31}$	Input 1	$-\frac{21}{31}$	Input 1	$-\frac{21}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{24}{31}$	Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

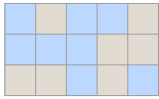
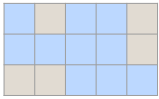
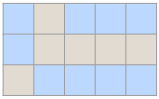
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{17}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

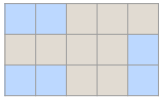
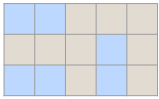
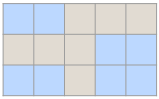
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$
Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

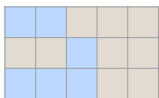
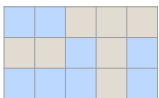
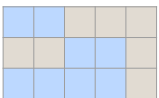
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$
Input 2	$-\frac{6}{31}$	Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{27}{31}$	Output	$-\frac{14}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$
Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$
Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{11}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{16}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{31}$	Input 1	$-\frac{13}{31}$	Input 1	$-\frac{29}{31}$
Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

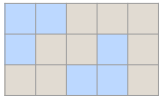
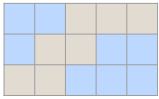
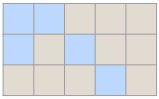
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{24}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{11}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

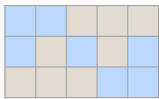
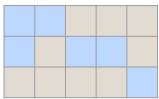
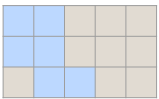
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{4}{31}$	Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{7}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

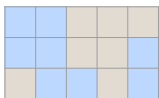
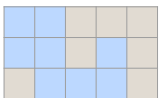
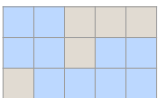
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{5}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{13}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

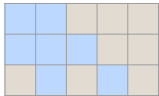
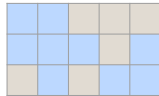
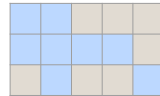
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{26}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{22}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{9}{31}$	Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

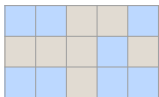
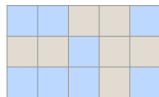
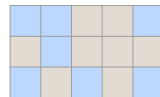
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{17}{31}$
Output	$-\frac{17}{31}$	Output	$-\frac{4}{31}$	Output	$-\frac{20}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

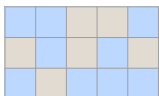
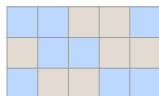
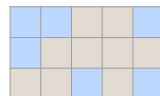
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{25}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{12}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{8}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

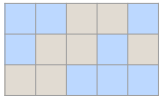
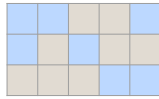
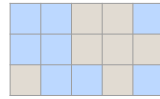
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{16}{31}$	Output	$-\frac{6}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

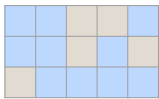
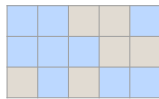
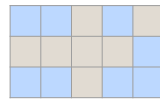
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$	Input 2	$-\frac{27}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

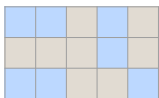
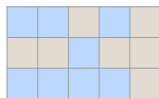
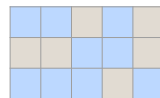
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$	Input 1	$-\frac{3}{31}$
Input 2	$-\frac{7}{31}$	Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{10}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

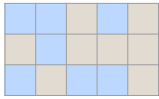
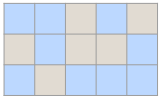
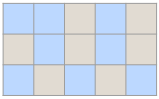
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{23}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

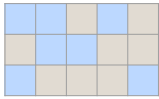
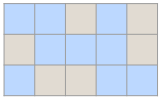
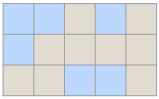
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$
Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{20}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

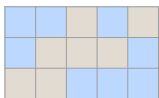
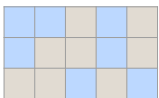
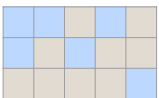
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$
Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{24}{31}$	Output	$-\frac{22}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

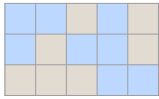
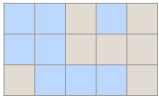
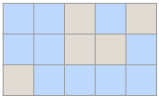
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{19}{31}$	Input 1	$-\frac{19}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{16}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{26}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

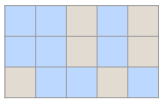
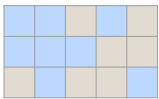
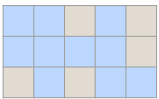
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$	Input 2	$-\frac{12}{31}$
Output	$-\frac{19}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

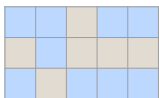
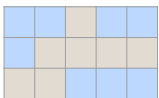
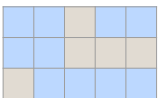
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$
Output	$-\frac{13}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

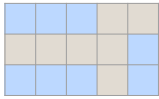
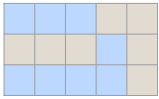
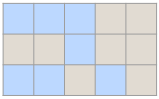
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{6}{31}$	Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{17}{31}$	Output	$-\frac{25}{31}$	Output	$-\frac{12}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

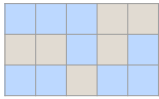
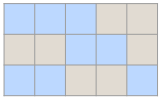
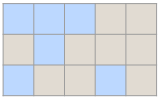
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{20}{31}$	Output	$-\frac{16}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

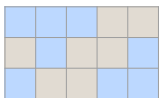
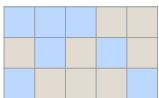
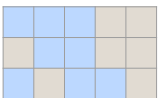
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$	Input 2	$-\frac{19}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{14}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

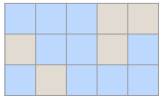
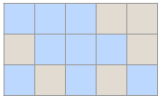
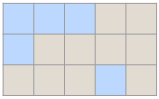
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$	Input 1	$-\frac{11}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{22}{31}$	Output	$-\frac{18}{31}$	Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

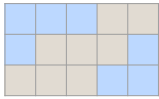
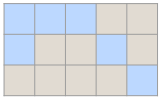
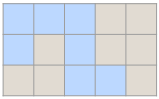
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{27}{31}$	Input 1	$-\frac{27}{31}$	Input 1	$-\frac{27}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

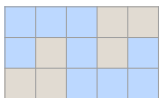
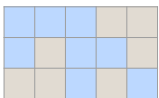
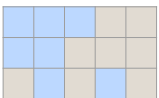
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{16}{31}$	Input 2	$-\frac{8}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{23}{31}$	Output	$-\frac{15}{31}$	Output	$-\frac{11}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

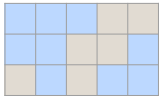
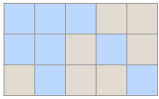
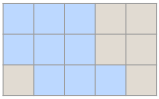
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{20}{31}$	Input 2	$-\frac{12}{31}$	Input 2	$-\frac{2}{31}$
Output	$-\frac{27}{31}$	Output	$-\frac{19}{31}$	Output	$-\frac{9}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

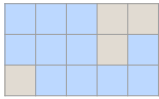
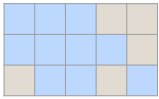
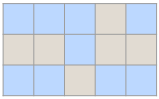
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{18}{31}$	Input 2	$-\frac{10}{31}$	Input 2	$-\frac{6}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{17}{31}$	Output	$-\frac{13}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

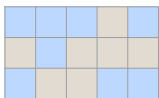
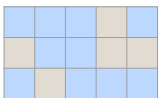
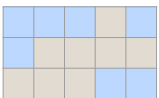
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{22}{31}$	Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{21}{31}$	Output	$-\frac{8}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

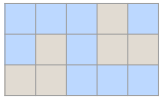
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{17}{31}$	Input 2	$-\frac{9}{31}$	Input 2	$-\frac{5}{31}$
Output	$-\frac{24}{31}$	Output	$-\frac{16}{31}$	Output	$-\frac{12}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

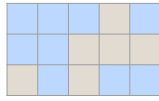
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{21}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{28}{31}$	Output	$-\frac{20}{31}$	Output	$-\frac{10}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

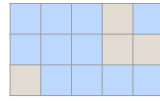
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$
Input 2	$-\frac{19}{31}$	Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{18}{31}$	Output	$-\frac{14}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

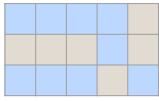
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{31}$	Input 1	$-\frac{7}{31}$	Input 1	$-\frac{23}{31}$
Input 2	$-\frac{23}{31}$	Input 2	$-\frac{15}{31}$	Input 2	$-\frac{4}{31}$
Output	$-\frac{30}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

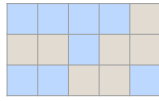
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{23}{31}$	Input 1	$-\frac{23}{31}$	Input 1	$-\frac{23}{31}$
Input 2	$-\frac{2}{31}$	Input 2	$-\frac{6}{31}$	Input 2	$-\frac{1}{31}$
Output	$-\frac{25}{31}$	Output	$-\frac{29}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

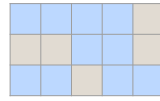
Arithmetic	
Input 1	$-\frac{23}{31}$
Input 2	$-\frac{5}{31}$
Output	$-\frac{28}{31}$
Input 1 + Input 2 = Output	True

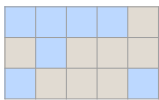
Arithmetic	
Input 1	$-\frac{23}{31}$
Input 2	$-\frac{3}{31}$
Output	$-\frac{26}{31}$
Input 1 + Input 2 = Output	True

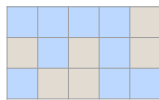
Arithmetic	
Input 1	$-\frac{23}{31}$
Input 2	$-\frac{7}{31}$
Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True

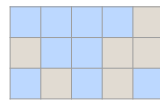
Arithmetic	
Input 1	$-\frac{15}{31}$
Input 2	$-\frac{8}{31}$
Output	$-\frac{23}{31}$
Input 1 + Input 2 = Output	True

Arithmetic	
Input 1	$-\frac{15}{31}$
Input 2	$-\frac{4}{31}$
Output	$-\frac{19}{31}$
Input 1 + Input 2 = Output	True

Arithmetic	
Input 1	$-\frac{15}{31}$
Input 2	$-\frac{12}{31}$
Output	$-\frac{27}{31}$
Input 1 + Input 2 = Output	True

Arithmetic	
Input 1	$-\frac{15}{31}$
Input 2	$-\frac{2}{31}$
Output	$-\frac{17}{31}$
Input 1 + Input 2 = Output	True

Arithmetic	
Input 1	$-\frac{15}{31}$
Input 2	$-\frac{10}{31}$
Output	$-\frac{25}{31}$
Input 1 + Input 2 = Output	True

Arithmetic	
Input 1	$-\frac{15}{31}$
Input 2	$-\frac{6}{31}$
Output	$-\frac{21}{31}$
Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{15}{31}$	Input 1	$-\frac{15}{31}$	Input 1	$-\frac{15}{31}$
Input 2	$-\frac{14}{31}$	Input 2	$-\frac{1}{31}$	Input 2	$-\frac{9}{31}$
Output	$-\frac{29}{31}$	Output	$-\frac{16}{31}$	Output	$-\frac{24}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{15}{31}$	Input 1	$-\frac{15}{31}$	Input 1	$-\frac{15}{31}$
Input 2	$-\frac{5}{31}$	Input 2	$-\frac{13}{31}$	Input 2	$-\frac{3}{31}$
Output	$-\frac{20}{31}$	Output	$-\frac{28}{31}$	Output	$-\frac{18}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{15}{31}$	Input 1	$-\frac{15}{31}$	Input 1	$-\frac{15}{31}$
Input 2	$-\frac{11}{31}$	Input 2	$-\frac{7}{31}$	Input 2	$-\frac{15}{31}$
Output	$-\frac{26}{31}$	Output	$-\frac{22}{31}$	Output	$-\frac{30}{31}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{15}$	Input 1	$-\frac{8}{15}$	Input 1	$-\frac{8}{15}$
Input 2	$-\frac{4}{15}$	Input 2	$-\frac{2}{15}$	Input 2	$-\frac{2}{5}$
Output	$-\frac{4}{5}$	Output	$-\frac{2}{3}$	Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{8}{15}$	Input 1	$-\frac{8}{15}$	Input 1	$-\frac{8}{15}$
Input 2	$-\frac{1}{15}$	Input 2	$-\frac{1}{3}$	Input 2	$-\frac{1}{5}$
Output	$-\frac{3}{5}$	Output	$-\frac{13}{15}$	Output	$-\frac{11}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{15}$
Input 2	$-\frac{8}{15}$	Input 2	$-\frac{4}{15}$	Input 2	$-\frac{2}{15}$
Output	$-\frac{4}{5}$	Output	$-\frac{8}{15}$	Output	$-\frac{2}{5}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{15}$
Input 2	$-\frac{2}{3}$	Input 2	$-\frac{2}{5}$	Input 2	$-\frac{1}{15}$
Output	$-\frac{14}{15}$	Output	$-\frac{2}{3}$	Output	$-\frac{1}{3}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

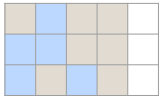
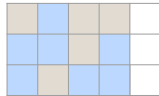
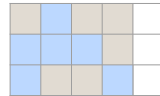
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{15}$
Input 2	$-\frac{3}{5}$	Input 2	$-\frac{1}{3}$	Input 2	$-\frac{1}{5}$
Output	$-\frac{13}{15}$	Output	$-\frac{3}{5}$	Output	$-\frac{7}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

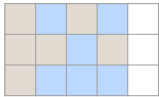
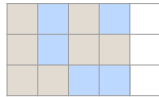
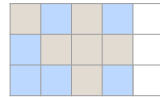
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{4}{15}$	Input 1	$-\frac{4}{5}$	Input 1	$-\frac{4}{5}$
Input 2	$-\frac{7}{15}$	Input 2	$-\frac{2}{15}$	Input 2	$-\frac{1}{15}$
Output	$-\frac{11}{15}$	Output	$-\frac{14}{15}$	Output	$-\frac{13}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

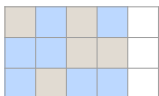
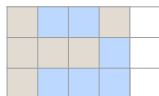
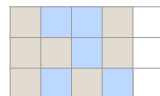
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$
Input 2	$-\frac{8}{15}$	Input 2	$-\frac{4}{15}$	Input 2	$-\frac{4}{5}$
Output	$-\frac{2}{3}$	Output	$-\frac{2}{5}$	Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

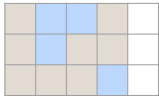
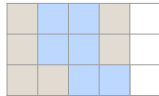
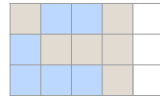
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$
Input 2	$-\frac{2}{15}$	Input 2	$-\frac{2}{3}$	Input 2	$-\frac{2}{5}$
Output	$-\frac{4}{15}$	Output	$-\frac{4}{5}$	Output	$-\frac{8}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

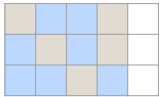
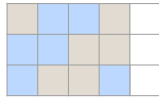
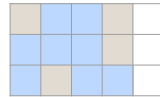
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$
Input 2	$-\frac{1}{15}$	Input 2	$-\frac{3}{5}$	Input 2	$-\frac{1}{3}$
Output	$-\frac{1}{5}$	Output	$-\frac{11}{15}$	Output	$-\frac{7}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

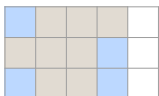
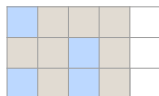
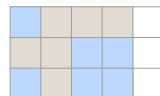
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$	Input 1	$-\frac{2}{15}$
Input 2	$-\frac{1}{5}$	Input 2	$-\frac{11}{15}$	Input 2	$-\frac{7}{15}$
Output	$-\frac{1}{3}$	Output	$-\frac{13}{15}$	Output	$-\frac{3}{5}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

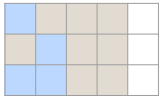
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{3}$	Input 1	$-\frac{2}{3}$	Input 1	$-\frac{2}{3}$
Input 2	$-\frac{4}{15}$	Input 2	$-\frac{2}{15}$	Input 2	$-\frac{1}{15}$
Output	$-\frac{14}{15}$	Output	$-\frac{4}{5}$	Output	$-\frac{11}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

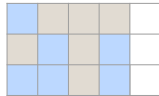
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{3}$	Input 1	$-\frac{2}{5}$	Input 1	$-\frac{2}{5}$
Input 2	$-\frac{1}{5}$	Input 2	$-\frac{8}{15}$	Input 2	$-\frac{4}{15}$
Output	$-\frac{13}{15}$	Output	$-\frac{14}{15}$	Output	$-\frac{2}{3}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

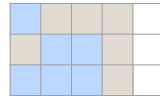
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{5}$	Input 1	$-\frac{2}{5}$	Input 1	$-\frac{2}{5}$
Input 2	$-\frac{2}{15}$	Input 2	$-\frac{2}{5}$	Input 2	$-\frac{1}{15}$
Output	$-\frac{8}{15}$	Output	$-\frac{4}{5}$	Output	$-\frac{7}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

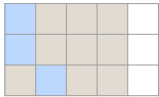
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{2}{5}$	Input 1	$-\frac{2}{5}$	Input 1	$-\frac{2}{5}$
Input 2	$-\frac{1}{3}$	Input 2	$-\frac{1}{5}$	Input 2	$-\frac{7}{15}$
Output	$-\frac{11}{15}$	Output	$-\frac{3}{5}$	Output	$-\frac{13}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

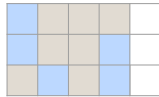
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{15}$	Input 1	$-\frac{1}{15}$	Input 1	$-\frac{1}{15}$
Input 2	$-\frac{8}{15}$	Input 2	$-\frac{4}{15}$	Input 2	$-\frac{4}{5}$
Output	$-\frac{3}{5}$	Output	$-\frac{1}{3}$	Output	$-\frac{13}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

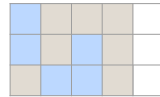
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{2}{15}$
Output	$-\frac{1}{5}$
Input 1 + Input 2 = Output	True

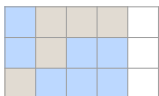
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{2}{3}$
Output	$-\frac{11}{15}$
Input 1 + Input 2 = Output	True

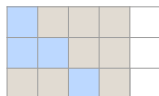
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{2}{5}$
Output	$-\frac{7}{15}$
Input 1 + Input 2 = Output	True

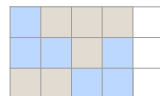
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{1}{15}$
Output	$-\frac{2}{15}$
Input 1 + Input 2 = Output	True

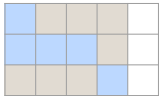
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{3}{5}$
Output	$-\frac{2}{3}$
Input 1 + Input 2 = Output	True

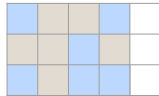
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{1}{3}$
Output	$-\frac{2}{5}$
Input 1 + Input 2 = Output	True

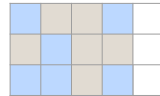
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{13}{15}$
Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True

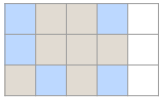
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{1}{5}$
Output	$-\frac{4}{15}$
Input 1 + Input 2 = Output	True

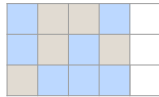
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{11}{15}$
Output	$-\frac{4}{5}$
Input 1 + Input 2 = Output	True

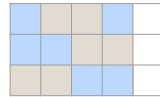
Arithmetic	
Input 1	$-\frac{1}{15}$
Input 2	$-\frac{7}{15}$
Output	$-\frac{8}{15}$
Input 1 + Input 2 = Output	True

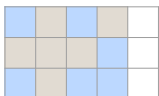
Arithmetic	
Input 1	$-\frac{3}{5}$
Input 2	$-\frac{4}{15}$
Output	$-\frac{13}{15}$
Input 1 + Input 2 = Output	True

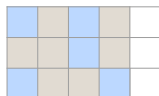
Arithmetic	
Input 1	$-\frac{3}{5}$
Input 2	$-\frac{2}{15}$
Output	$-\frac{11}{15}$
Input 1 + Input 2 = Output	True

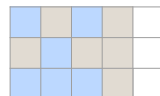
Arithmetic	
Input 1	$-\frac{3}{5}$
Input 2	$-\frac{1}{15}$
Output	$-\frac{2}{3}$
Input 1 + Input 2 = Output	True

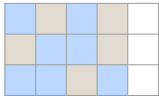
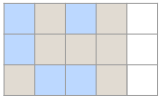
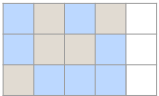
Arithmetic	
Input 1	$-\frac{3}{5}$
Input 2	$-\frac{1}{3}$
Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True

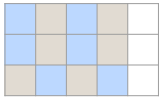
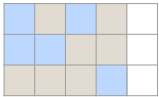
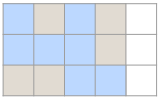
Arithmetic	
Input 1	$-\frac{3}{5}$
Input 2	$-\frac{1}{5}$
Output	$-\frac{4}{5}$
Input 1 + Input 2 = Output	True

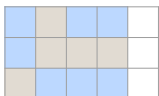
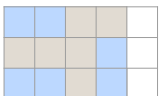
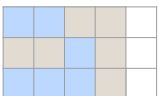
Arithmetic	
Input 1	$-\frac{1}{3}$
Input 2	$-\frac{8}{15}$
Output	$-\frac{13}{15}$
Input 1 + Input 2 = Output	True

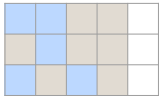
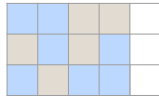
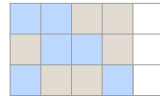
Arithmetic	
Input 1	$-\frac{1}{3}$
Input 2	$-\frac{4}{15}$
Output	$-\frac{3}{5}$
Input 1 + Input 2 = Output	True

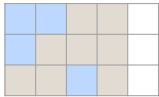
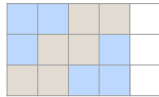
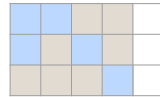
Arithmetic	
Input 1	$-\frac{1}{3}$
Input 2	$-\frac{2}{15}$
Output	$-\frac{7}{15}$
Input 1 + Input 2 = Output	True

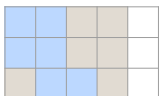
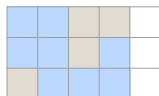
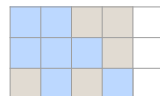
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{3}$	Input 1	$-\frac{1}{3}$	Input 1	$-\frac{1}{3}$
Input 2	$-\frac{2}{5}$	Input 2	$-\frac{1}{15}$	Input 2	$-\frac{3}{5}$
Output	$-\frac{11}{15}$	Output	$-\frac{2}{5}$	Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

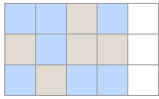
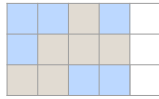
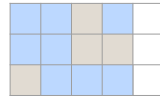
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{3}$	Input 1	$-\frac{1}{3}$	Input 1	$-\frac{1}{3}$
Input 2	$-\frac{1}{3}$	Input 2	$-\frac{1}{5}$	Input 2	$-\frac{7}{15}$
Output	$-\frac{2}{3}$	Output	$-\frac{8}{15}$	Output	$-\frac{4}{5}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

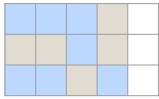
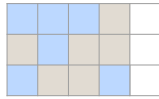
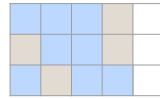
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{13}{15}$	Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$
Input 2	$-\frac{1}{15}$	Input 2	$-\frac{8}{15}$	Input 2	$-\frac{4}{15}$
Output	$-\frac{14}{15}$	Output	$-\frac{11}{15}$	Output	$-\frac{7}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

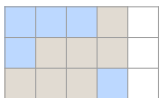
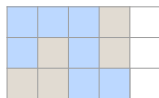
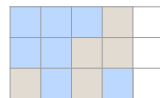
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$
Input 2	$-\frac{2}{15}$	Input 2	$-\frac{2}{3}$	Input 2	$-\frac{2}{5}$
Output	$-\frac{1}{3}$	Output	$-\frac{13}{15}$	Output	$-\frac{3}{5}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

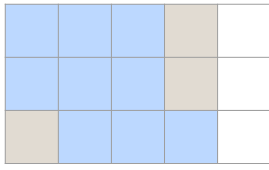
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$
Input 2	$-\frac{1}{15}$	Input 2	$-\frac{3}{5}$	Input 2	$-\frac{1}{3}$
Output	$-\frac{4}{15}$	Output	$-\frac{4}{5}$	Output	$-\frac{8}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

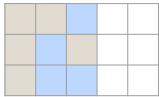
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$	Input 1	$-\frac{1}{5}$
Input 2	$-\frac{1}{5}$	Input 2	$-\frac{11}{15}$	Input 2	$-\frac{7}{15}$
Output	$-\frac{2}{5}$	Output	$-\frac{14}{15}$	Output	$-\frac{2}{3}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

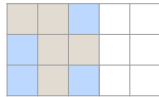
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{11}{15}$	Input 1	$-\frac{11}{15}$	Input 1	$-\frac{11}{15}$
Input 2	$-\frac{2}{15}$	Input 2	$-\frac{1}{15}$	Input 2	$-\frac{1}{5}$
Output	$-\frac{13}{15}$	Output	$-\frac{4}{5}$	Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

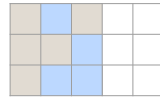
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{15}$	Input 1	$-\frac{7}{15}$	Input 1	$-\frac{7}{15}$
Input 2	$-\frac{4}{15}$	Input 2	$-\frac{2}{15}$	Input 2	$-\frac{2}{5}$
Output	$-\frac{11}{15}$	Output	$-\frac{3}{5}$	Output	$-\frac{13}{15}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

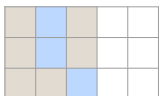
Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{7}{15}$	Input 1	$-\frac{7}{15}$	Input 1	$-\frac{7}{15}$
Input 2	$-\frac{1}{15}$	Input 2	$-\frac{1}{3}$	Input 2	$-\frac{1}{5}$
Output	$-\frac{8}{15}$	Output	$-\frac{4}{5}$	Output	$-\frac{2}{3}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

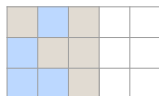
Arithmetic	
Input 1	$-\frac{7}{15}$
Input 2	$-\frac{7}{15}$
Output	$-\frac{14}{15}$
Input 1 + Input 2 = Output	True

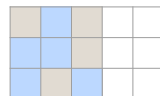
Arithmetic	
Input 1	$-\frac{4}{7}$
Input 2	$-\frac{2}{7}$
Output	$-\frac{6}{7}$
Input 1 + Input 2 = Output	True

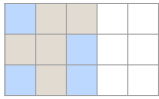
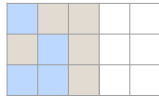
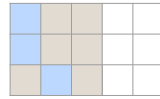
Arithmetic	
Input 1	$-\frac{4}{7}$
Input 2	$-\frac{1}{7}$
Output	$-\frac{5}{7}$
Input 1 + Input 2 = Output	True

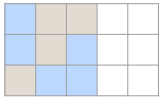
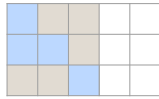
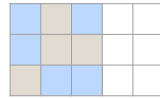
Arithmetic	
Input 1	$-\frac{2}{7}$
Input 2	$-\frac{4}{7}$
Output	$-\frac{6}{7}$
Input 1 + Input 2 = Output	True

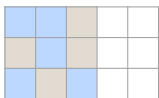
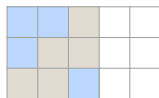
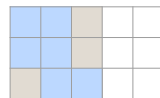
Arithmetic	
Input 1	$-\frac{2}{7}$
Input 2	$-\frac{2}{7}$
Output	$-\frac{4}{7}$
Input 1 + Input 2 = Output	True

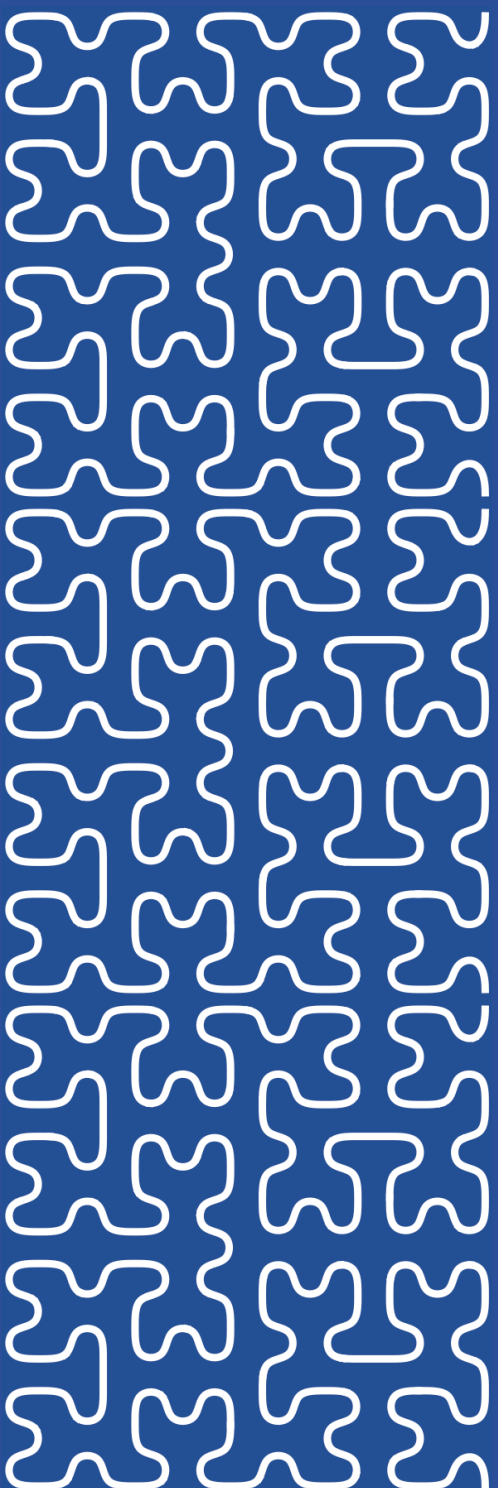
Arithmetic	
Input 1	$-\frac{2}{7}$
Input 2	$-\frac{1}{7}$
Output	$-\frac{3}{7}$
Input 1 + Input 2 = Output	True

Arithmetic	
Input 1	$-\frac{2}{7}$
Input 2	$-\frac{3}{7}$
Output	$-\frac{5}{7}$
Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{7}$	Input 1	$-\frac{1}{7}$	Input 1	$-\frac{1}{7}$
Input 2	$-\frac{4}{7}$	Input 2	$-\frac{2}{7}$	Input 2	$-\frac{1}{7}$
Output	$-\frac{5}{7}$	Output	$-\frac{3}{7}$	Output	$-\frac{2}{7}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{1}{7}$	Input 1	$-\frac{1}{7}$	Input 1	$-\frac{5}{7}$
Input 2	$-\frac{5}{7}$	Input 2	$-\frac{3}{7}$	Input 2	$-\frac{1}{7}$
Output	$-\frac{6}{7}$	Output	$-\frac{4}{7}$	Output	$-\frac{6}{7}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True

Arithmetic		Arithmetic		Arithmetic	
Input 1	$-\frac{3}{7}$	Input 1	$-\frac{3}{7}$	Input 1	$-\frac{3}{7}$
Input 2	$-\frac{2}{7}$	Input 2	$-\frac{1}{7}$	Input 2	$-\frac{3}{7}$
Output	$-\frac{5}{7}$	Output	$-\frac{4}{7}$	Output	$-\frac{6}{7}$
Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True	Input 1 + Input 2 = Output	True



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