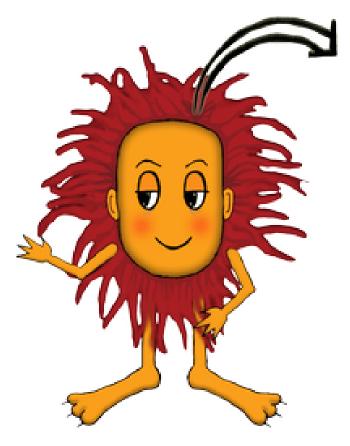
Velika logična pošast



Predstavitev številskega izraza

Število pik na sliki moramo predstaviti v obliki a \times b + c. Število a \times b + c moramo predstaviti s sliko.

$2 \times 3 + 2$	
4 × 4 + 2	
4 × 2	
	A A A A A A A A A A A A A A A A A A A A A A A A A A
2 × 10	
$3 \times 3 + 2$	
5 × 2	
6 × 3 + 2	
2 × 4 + 1	
	A B
	* * * * * * *
3 × 4 + 1	

	* * * * * * * * * * * * * * * * * * *
	A B B B B B B B A B B B B B B B B B B B B B B B B B B B B B B B B B B B
	+ + + + + + + + +
	* * * * * * * * *
	* * * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * *
2 × 8 + 1	
2 × 8 + 1	
6 × 2 + 1	
	* * * * * * * * * * * * * * * * * * *
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	* * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * * *
6 × 2 + 2	
	+ + + +
	* * * * * * * * * * * * * * * * * * *
2 × 9	
2 × 6	
	Q Q Q Q Q Q
	* * * * * * * * * * * * * * * * * * * *

1 × 6 + 1
6 × 3 + 2
6 × 3 + 2
6 × 3 + 2
5 × 1 + 3
A A A A A A A A A A A A A A
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	* * * * * * * * * * * * * * * * * * *
6 × 2	
	+ + + + + +
	S S
	A B
2 × 8 + 1	
5 × 3 + 3	
	* * * * * * * * * * * * * * * * * * * *
	* * * * * * * *
2 × 6	
2 × 5	
5 × 2 + 1	

3 × 6	
3 × 6	
4 × 2 + 1	
2 × 4	
	* * * * * *
	Q Q Q Q Q Q Q Q Q Q Q Q
5 × 3 + 1	
3 × 2 + 1	
2 × 7	
5 × 2	

	A B
	* * * * * * * * * * *
3 × 5 + 1	
	* * * * * * * * * * * * * * * * * * *
4 × 4	
	* * * * * * * * * * * * * * * * * * *
$4 \times 4 + 3$	
	A A A A A A A A A A
$5 \times 2 + 4$	

	'
$3 \times 6 + 2$	
3 × 5	
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$3 \times 2 + 2$	
3 × 4	
$3 \times 4 + 2$	
3 × 5	
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$3 \times 3 + 2$	
	* * * * * * * * * * * * * * * * * * *
4 × 2	

	* * * * *
	* * * * * *
2 × 3 + 1	
	* * * *
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	* * * * * * * * *
4 × 4 + 1	
4 × 4 + 2	
5 × 2 + 3	
2 × 8 + 1	

	+ + + + + + + +
	+ + + + + + +
	* * *
2 × 3 + 1	
4 × 2	
	* * * * *
2 × 5	
2 × 5	
	* * * * * * * * *

	S S S S S S S S S S
	• • • • • •
4 × 4 + 3	
	* * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * *
	A A B A
3 × 5 + 2	
	A A
	* * * * * * * * * * * * * * * * * * *
2 × 9	
2 × 6	

2 × 8 + 1	
	A A
6 × 2 + 2	
$4 \times 4 + 3$	
	* * * * * * *
2 × 8	
	* * * * * * * *
5 × 3 + 1	

2 × 6	
2 × 8 + 1	
6 × 2 + 4	
	* * * * * * * *
$2 \times 4 + 3$	
2 × 5 + 1	
2 × 6 + 1	
	* * * * * * * * * * * * * * * * * * *
5 × 3 + 2	
	* * * * * * * *
5 × 3	

2 × 4 + 2	
	+ + + + + + +
	* * * * * * * * * * * * * * * * * * *
$5 \times 2 + 3$	
	* * * * * * * * * * * * * * * * * * * *
5 × 1 + 4	
	* * * * * * * * * * *
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3 × 3	
4 × 3 + 1	
	* * * * * * * * *
5 × 3	

3 × 3 + 1	
5 × 3	
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2 × 8 + 1	
6 × 2 + 1	
$4 \times 4 + 2$	
5 × 2 + 3	
5 × 4	

5 × 3 + 2	
	* * * * * * * * * * * * * *
2 × 5 + 1	
	* * *
	* * * * * * * * * * * * * * * * * * *
2 × 6 + 1	
$3 \times 3 + 2$	
1 × 6 + 1	
1 × 4 + 3	
4 × 4 + 1	

	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	A A B B B B B B A A B B B B B B B
$3 \times 4 + 1$	
	+ + + + + + + + + + + + + + + + + + +
	A A A A A A A A A A A A A A A
3 × 4 + 1	
1 × 5 + 3	
2 × 8	
	* * * * * * * * *
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	* * * * * * * * * * * * * * * * * * *

	* * * * * * * *
3 × 3	
2 × 6 + 1	
3 × 3 + 1	
6 × 1 + 1	
6 × 3	
6 × 2 + 5	
4 × 3 + 2	
	+ + + + + + + +
$2 \times 3 + 2$	
6 × 2 + 2	

$\boxed{3 \times 6 + 2}$	
	* * * * * * * * * * * * * * * * * * *
6 × 1 + 5	
$4 \times 4 + 3$	
6 × 2 + 5	
$3 \times 6 + 2$	
6 × 2 + 5	
2 × 7	
	* * * * * * * * * * * * * * * * * * *
4 × 2 + 1	
2 × 4	
	\$\begin{array}{c ccccccccccccccccccccccccccccccccccc
	

2 × 7	
	• • • •
2 × 5 + 1	
	* * * * * * * * * * * * * * * * * * * *
	* * * *
5 × 2 + 4	
5 × 3	
	* * * * * * * * * * * * * * * * * * *
	A A A A A A A A
4 × 2	
2 × 4 + 1	

4 × 4 + 2	
1 × 4 + 3	
5 × 4	
6 × 1 + 5	
	+ + + + + + + + + + + + + + + + + + +
5 × 4	
3 × 5 + 2	
	* * * * *
2 × 5 + 1	

2 × 4 + 2	
	* * * * * * * * * * * * * * * * * * *
6 × 1 + 2	
$5 \times 3 + 3$	
	* * * * * * * * * * * * * * * * * * * *
2 × 6	
	S
5 × 3 + 4	
	* * * * *
6 × 2 + 3	
6 × 2 + 4	
2 × 7 + 1	

	r
	* * * * * * * * * * * * * * * * * * * *
5 × 3 + 4	
	* * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * *
1 × 5 + 3	
2 × 8	
	* * * * * * * * * * * * * * * * * * * *

4 × 2	
	* * * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * * *
6 × 3	
	* * * * * * * * * * * * * * * * * * *
5 × 3 + 2	
	+ + + +
4 × 2 + 1	

2 × 6 + 1	
	0 0 0 0 0 0
	* * * *
	* * * * *
4 × 3 + 2	
5 × 3 + 2	
	A A A A A A A A A A A A A A A
$4 \times 4 + 3$	
1 × 6 + 3	
	* * * * * * * * * * * * * * * * * * *
6 × 2 + 4	

1 × 5 + 4	
4 × 3 + 2	
$4 \times 4 + 1$	
	* * * * * * * * * * * * * * * * * * * *
	* * * * * * * * *
6 × 3 + 2	
	+ + + + + + + +
	* * * * * * * *
2 × 7 + 1	
	* * * * * * * *
6 × 3 + 2	

	•
2 × 8 + 1	
2 × 7	
$4 \times 2 + 1$	
	* * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * * *
3 × 3	
6 × 1 + 4	
3 × 6 + 1	
5 × 2	
	• • •

4 × 4 + 1	
	A A A A A A A A A A
4 × 3 + 1	
	* * * * * * * * * * * * *
6 × 2 + 4	
	* * * * * * * * * * * * * * * * * * *
6 × 1 + 1	
	A A A A A A A A A A
4 × 2	
$3 \times 4 + 2$	

6 × 2 + 4	
2 × 3 + 1	
3 × 5 + 2	
6 × 2 + 2	
5 × 3 + 1	
1 × 5 + 4	
2 × 3 + 1	
5 × 3 + 3	
4 × 4	
6 × 3 + 1	

	* * * * * * * * * * * * * * * * * * *
$5 \times 2 + 3$	
2 × 4 + 2	
	* * * * *
	* * * * * * * * * * * * * * * * * * *
$4 \times 4 + 3$	
5 × 2 + 4	
	A A
4 × 2	
2 × 5 + 1	
1 × 5 + 2	
	* * * * * * * * * * * * * * * * * * *

17.

	* * * * * * * * * * * * * * * * * * * *
	* * * * * * * * * * * * * * * * * * * *
1 × 6 + 5	
	A A A A A A A A A A A A A A A A
5 × 3 + 2	
	* * * * * * * * * * * * * * * * * * * *
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	Q Q Q Q Q Q Q Q
6 × 2 + 5	
4 × 3 + 2	

6 × 2 + 2	
2 × 7	
3 × 4	
2 × 6 + 1	
	* * * * * * * * *
2 × 7 + 1	
3 × 5 + 1	
	* * * *
5 × 2 + 3	

2 × 6 + 1	
4 × 2	
4 × 4 + 1	
1 × 4 + 3	
1 × 6 + 5	
	* * * * * * * * * * * * * * * * * * *
6 × 3 + 2	
	A A A A A A A A B
	* * * * * * * * * *

	* * * * * * * * * * * * * * * * * * *
3 × 5 + 2	
	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
2 × 6 + 1	
5 × 3 + 3	
	* * * * * * * * * * *
5 × 3 + 4	
	* * * * * * * * * * * * * * * * * * *
3 × 5 + 1	
5 × 3 + 4	

	• • • • • • • • •
	* * * * * * * * * * * * * * * * * * *
5 × 4	
	* * * * * * * *
	* * * * * * * * *
2 × 5 + 1	
3 × 4	
	* * * *

	* * * * * * * * * * * * * * * * * * *
$3 \times 3 + 2$	
5 × 3 + 4	
	* * * * * * * * * * * * * * * * * * *
2 × 8	
$3 \times 6 + 2$	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	A A A A A A A A A A A A A
5 × 2 + 1	
	• • • •

3 × 4 + 2	
3 × 5 + 1	
2 × 4 + 2	
5 × 3 + 2	
	* * * * * * * * * * * * * * * * * * * *
2 × 8 + 1	
1 × 5 + 2	
	* * * * * * * * * * * * * * * * * * * *
	* * * * * * * *

	* * * * * * * * * * * * * * * * * * *
2 × 6 + 1	
	A A A A A A A A A A A A
3 × 6 + 2	
	* * * * * * * * * * * * * * * * * * *
	0 0 0 0 0 0 0 0 0 0 0 0 0
2 × 6	
6 × 1 + 4	
3 × 2 + 1	
	• • • • • • • • • • • • • • • • • • •

Rešitve:

2 × 3 + 2	S S S S S S S S S S
$4 \times 4 + 2$	* * * * * * * * * * * * * * * * * * *
4 × 2	* * * *
2 × 6 + 1	A A A A A A A A A A A A
2 × 10	* * * * * * * * * * * * * * * * * * * *
$3 \times 3 + 2$	* * * * * * * *
5 × 2	
6 × 3 + 2	
2 × 4 + 1	D
6 × 3 + 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
6 × 2 + 1	
3 × 4 + 1	

5 × 3	* * * * * * * * * * * * * * * * * * *
$5 \times 2 + 3$	A A A A A A A A A A A A A A A
$4 \times 4 + 3$	* * * * * * * * * * * *
$3 \times 4 + 1$	* * * * * * * * *
5 × 4	* * * * * * * * * * * * * * * * * * * *
2 × 4 + 2	* * * * * * * * * * * * * * * * * * * *
2 × 8 + 1	* * * * * * * * * * * * * * * * * * *
2 × 8 + 1	* * * * * * * * * * * * * * * * * * *
6 × 2 + 1	* * * * * * * *
2 × 10	
4 × 3 + 1	* * * * * * * * * * * * * * * * * * * *
2 × 7	A A A A A A A A A A A A

$5 \times 3 + 3$	
6 × 2 + 5	
3 × 6	
4 × 3	+ + + + + + + + + + + + + + + + + + + +
4 × 3	* * * * * *
6 × 2 + 2	
4 × 2	+ + + +
2 × 9	* * * * * * * * * * * * * * * * * * *
2 × 9	+ + + + + + + + + + + + + + + + + + + +
2 × 6	Q Q Q Q Q Q Q Q Q Q
$3 \times 4 + 2$	Q Q Q Q Q Q Q Q Q Q Q Q
3 × 6	* * * * * * * * * * * *

1 × 6 + 1	
$3 \times 5 + 2$	* * * * * * * * *
6 × 2 + 5	
5 × 3 + 1	* * * * * * * * * * * * * * * * * * *
6 × 3 + 2	
5 × 1 + 3	+ + + + + +
3 × 3	* * * * * *
4 × 4 + 1	
5 × 2 + 4	A B B B B B B B A B
4 × 3	0 0 0
3 × 5 + 1	
3 × 6 + 1	* * * * * * * * * * * * * * * * * * * *

$ 3 \times 2 + 1 $		3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3 × 2 + 1	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 × 5 + 1	
$5 \times 2 + 3$ 4×5 $6 \times 2 + 2$ $5 \times 2 + 1$ $5 \times 2 + 2$ $6 \times 3 + 2$ $7 \times 9 \times $	1 × 6 + 4	* * * * * * * * * * * * * * * * * * *
4 × 5 6 × 2 + 2 7 * * * * * * * * * * * * * * * * * *	2 × 7 + 1	* * * * * * * * *
6 × 2 + 2	5 × 2 + 3	
5 × 2 + 1 5 × 2 + 2 6 × 3 + 2	4 × 5	
5 × 2 + 2	6 × 2 + 2	+ + + + + + +
6 × 3 + 2	5 × 2 + 1	
	5 × 2 + 2	* * * * * * * * * * * * * * * * * * *
5 × 2 + 3 + + + + + + +	6 × 3 + 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	5 × 2 + 3	* * * * * * * * * * * * * * * * * * * *
3 × 2 + 1	3 × 2 + 1	* * * *

2 × 6	• • • • • • • • • • • • • • • • • • •
6 × 2	A A A A A A A A A A A A
6 × 2	* * * * * * *
2 × 9 + 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
$5 \times 3 + 3$	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2 × 8 + 1	* * * * * * * * * * * * * * * * * * *
$5 \times 3 + 3$	
4 × 4 + 1	* * * * * * * * * *
5 × 2 + 2	* * * * * *
2 × 6	• • • • • •
2 × 5	+ + + + + + + + + + + + + + + + + + +
5 × 2 + 1	

3 × 6	* * * * * * * * * * * * *
3 × 6	Q Q
4 × 2 + 1	* * * * *
2 × 4	Q Q Q Q Q Q
3 × 4	* * * * * * * *
$3 \times 4 + 2$	A A A A A A A A A A A A A A
5 × 3 + 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3 × 2 + 1	A A A A A A
5 × 3 + 3	
3 × 5 + 2	
2 × 7	* * * * * * * * * * * * * * * * * * * *
5 × 2	

6 × 2	A A A A A A A A A A A A A A
1 × 6 + 2	
4 × 4 + 1	* * * * * * * * * * *
3 × 5 + 1	
3 × 3 + 1	
6 × 3 + 1	* * * * * * * * * * * * * * * * * * *
4 × 4	Q Q
5 × 3 + 2	* * * * * * * * * * * * * * * * * * *
2 × 4 + 1	
4 × 4 + 3	A A A A A A A A A A A A A A A A A A
4 × 2 + 3	Q Q Q Q Q Q Q Q Q Q
5 × 2 + 4	

5 × 3 + 4	
$3 \times 6 + 2$	
3 × 5	* * * * * * * * * * * * * * * * * * *
6 × 3 + 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 <t< td=""></t<>
$3 \times 2 + 2$	* * * *
3 × 4	* * * * * * * * * * * * * * * * * * * *
$3 \times 4 + 2$	* * * * * * * * * * * * * * * * * * * *
3 × 5	* * * * * * * * * * * * * * * * * * *
$3 \times 2 + 1$	* * * *
$3 \times 3 + 2$	
2 × 9 + 1	* * * * * * * * * * * * * * * * * * *
4 × 2	0 0 0 0 0 0 0 0

2 × 4 + 1	* * * * *
$5 \times 2 + 3$	* * * * * * * * * * * * * * * * * * * *
2 × 3 + 1	
$3 \times 2 + 1$	* * * *
2 × 8	* * * * * * * * * * * * * * * * * * *
4 × 4	* * * * * * * * * * * * * * * * * * *
4 × 4 + 1	A A B A B
3 × 3 + 1	
4 × 4 + 2	A A B A B
3 × 4 + 1	
5 × 2 + 3	* * * * * * * * * * * * *
2 × 8 + 1	* * * * * * * * * * *

6 × 1 + 4	+ + + + + + + +
3 × 3	+ + +
5 × 3 + 4	
1 × 4 + 3	* * * *
2 × 3 + 1	* * * *
6 × 2 + 3	
4 × 2	* * * *
1 × 6 + 3	* * * * *
2 × 5	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
5 × 4	
2 × 5	
6 × 2 + 4	+ + + + + + + +

$3 \times 3 + 2$	S S S S S S S S S S
3 × 5 + 1	
6 × 1 + 3	• • • • •
$4 \times 4 + 3$	* * * * * * * * * * * * * * * * * * * *
5 × 2	* * * * * * * * * * * * * * * * * * *
2 × 8 + 1	* * * * * * * * * * * * * * * * * * *
5 × 1 + 2	A A A A A A A
$3 \times 5 + 2$	* * * * * * * * *
5 × 2 + 2	A B
1 × 6 + 1	* * * * *
2 × 9	* * * * * * * * * * * * * * * * * * *
2 × 6	

2 × 8 + 1	A A A A A A A A A A A A A A A
5 × 1 + 4	A A
6 × 1 + 5	
$4 \times 4 + 3$	
6 × 2 + 2	
4 × 4 + 3	* * * * * * * * * * * * * * * * * * * *
6 × 2	* * * * * * *
2 × 8	A A A A A A A A A A A A A A A
4 × 4 + 1	
6 × 1 + 4	+ + + + + + + +
$3 \times 4 + 2$	
5 × 3 + 1	* * * * * * * * * * * * * * * * * * * *

2 × 6	+ + + + + +
2 × 8 + 1	\(\text{\alpha} \text{\alpha} \text{\alpha} \text{\alpha} \qu
6 × 2 + 4	* * * * * * * * * * *
4 × 2 + 2	* * * * * * * * * *
2 × 4 + 3	
2 × 5 + 1	* * * * * * * * * * * * * * * * * * * *
6 × 2	* * * * * *
2 × 6 + 1	* * * * * * * *
$4 \times 3 + 3$	* * * * * * * * * * * * * * * * * * *
5 × 3 + 2	* * * * * * * * * * * * * * * * * * *
3 × 3	* * * * * * * * *
5 × 3	* * * * *

2 × 4 + 2	* * * * *
5 × 2 + 3	+ + + + + + + + + + + + + + + + + + + +
6 × 2 + 5	+ + + + + + + + + + + + + + + + + + + +
$5 \times 2 + 3$	+ + + + + + + + + + + + + + + + + + + +
$3 \times 6 + 2$	* * * * * * * * * * * *
5 × 1 + 4	+ + + + + + + +
4 × 4 + 1	* * * * * * * *
4 × 1 + 3	* * * *
3 × 3	* * * * * *
4 × 3 + 1	* * * * * * * * * * * * * * * * * * *
6 × 2 + 4	+ + + + + + + +
5 × 3	0 0 0

3 × 3 + 1	* * * * * * * * * * * * * * * * * * *
5 × 3	
4 × 3 + 1	
3 × 4	* * * * * * * * * * * * * * * * * * * *
2 × 5	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
2 × 8 + 1	* * * * * * * * * * * * * * * * * * * *
6 × 2 + 1	A B B B B B B B A B B B B B B B B B B B B B B B B B B B
$4 \times 4 + 2$	
3 × 6 + 1	
$5 \times 2 + 3$	* * * * * * * * * * * * * * * * * * *
$3 \times 4 + 2$	
5 × 4	

6 × 2 + 4	
5 × 3 + 2	A A B B B A B B B B B A B B B B B B B B B B B B B B B
3 × 6	* * * * * * * * * * * *
2 × 5 + 1	* * * * * *
2 × 3 + 1	* * * * * * * * * * * * * * * * * * *
5 × 3 + 2	* * * * * * * * * * * * * * * * * * *
2 × 6 + 1	* * * * * * * *
$3 \times 3 + 2$	A B B A B B B B B <t< td=""></t<>
$3 \times 6 + 2$	
1 × 6 + 1	
1 × 4 + 3	
4 × 4 + 1	* * * * * * * * * *

$2 \times 3 + 2$	\(\rangle \cdot \c
5 × 2 + 4	A A A A A A A A A A A A A A
6 × 2 + 4	
3 × 4 + 1	
2 × 8	* * * * * * * * * * * * * * * * * * *
$6 \times 2 + 5$	A B
$3 \times 4 + 1$	* * * * * * * *
1 × 5 + 3	***
2 × 8	* * * * * * * * * * * * * * * * * * *
$4 \times 4 + 2$	* * * * * * * * * *
2 × 5	S
2 × 8	* * * * * * * * * * * * * * * * * * *

3 × 3	* * * * * * *
3 × 3	0 0 0
2 × 6 + 1	* * * * * * * * * * * * * * * * * * *
3 × 3 + 1	S S S S S S S S S S
6 × 1 + 1	
6 × 3	* * * * * * * * * * * * * * * * * * *
6 × 2 + 5	
4 × 3 + 2	* * * * * * * * * * * * * * * * * * * *
6 × 1 + 2	+ + + + + +
5 × 1 + 4	+ + + + + +
2 × 3 + 2	* * * * * * * * * * * * * * * * * * *
6 × 2 + 2	* * * * * * * * *

$3 \times 4 + 2$	* * * * * * *
6 × 2 + 1	
4 × 4	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
$4 \times 4 + 2$	A A A A A A A A A A A A A A A A A A
2 × 7 + 1	* * * * * * * * * * * * * * * * * * * *
5 × 1 + 3	
3 × 3	* * * * * *
1 × 5 + 4	• • • • •
3 × 3 + 1	+ + + + +
2 × 8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
$3 \times 3 + 2$	
4 × 4 + 3	

$3 \times 6 + 2$	* * * * * * * * * * * * * * * * * * * *
2 × 3 + 1	* * * * * * * * * * * * * * * * * * *
6 × 1 + 5	
$4 \times 4 + 3$	* * * * * * * * * * * * * * * * * * * *
6 × 2 + 5	
$3 \times 6 + 2$	
6 × 2 + 5	* * * * * * * * *
2 × 7	* * * * * * * * * * * * * * * * * * *
5 × 2	* * * * *
4 × 2 + 1	Q Q Q Q Q Q Q Q
2 × 4	• • • • • • • • • • • • • • • • • • • •
2 × 5	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q

2	×	7		* * * * * * * * * * *
3 ×	3	+	1	
2 ×	5	+	1	* * * * * * * * * * * * * * * * * * *
4				* * * * * * * * * * * * * * * * * * * *
3 ×	2	+	1	† † † †
5	×	2		Q Q Q Q Q Q Q Q
5 ×	2	+	4	A A
5	×	3		
2 ×	5	+	1	* * * * * * * * * * * * * * * * * * * *
4 ×	2	+	1	Q Q Q Q Q Q Q Q
4	×	2		• • • •
2 ×	4	+	1	••••

5 × 2 + 1	
3 × 4	
4 × 4 + 2	
6 × 1 + 2	
1 × 4 + 3	• •
5 × 4	* * * * * * * * * * * * * * * * * * * *
6 × 1 + 5	
2 × 4	* * * * * * * * * * * * * * * * * * *
5 × 4	* * * * * * * * * * * * * * * * * * * *
$3 \times 5 + 2$	* * * * * * * *
2 × 4 + 3	* * * * * * * * * * * * * * * * * * *
2 × 5 + 1	* * * * *

2 × 4 + 2	
6 × 3 + 2	* * * * * * * * * * * * * * * * * * *
6 × 1 + 2	• • • • • •
$5 \times 3 + 3$	
3 × 4	* * * * * * *
2 × 6	* * * * * *
4 × 3	Q Q Q Q Q Q Q Q
5 × 3 + 4	
4 × 2 + 1	* * * * *
6 × 2 + 3	* * * * * * * * * * * * * * * * * * * *
6 × 2 + 4	
2 × 7 + 1	* * * * * * * * *

3 × 5 + 1	
5 × 1 + 3	
3 × 4	* * * * * * * * * * * * * * * * * * * *
2 × 8	
5 × 3 + 4	
2 × 5	* * * * * * * * *
6 × 3	* * * * * * * * * * * * * * * * * * *
1 × 5 + 3	Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
4 × 3 + 1	
2 × 8	* * * * * * * * * * * * * * * * * * *
2 × 10	
4 × 3 + 1	* * * * * * *

4 × 2	* * * *
4 × 4 + 3	
5 × 3 + 2	* * * * * * * * * * * * * * * * * * * *
4 × 4	
6 × 3 + 1	* * * * * * * * * * * * * * * * * * *
6 × 3	
6 × 2 + 4	
$4 \times 3 + 3$	* * * * * * * * * * * * * * * * * * *
5 × 3 + 2	
3 × 2 + 1	+ + + +
4 × 2 + 1	A A A A A A A A
5 × 3 + 1	* * * * * * *

2 × 6 + 1	A A A A A A A A A A
6 × 2 + 2	A A
4 × 2 + 1	* * * * *
1 × 6 + 3	****
4 × 3 + 2	* * * * * * * * * *
5 × 3 + 2	+ + + + + + + + + + + + + + + + + + + +
4 × 5	A A A A A A A A
$4 \times 4 + 3$	* * * * * * * * * * * * *
4 × 3 + 2	
1 × 6 + 3	
$3 \times 4 + 2$	* * * * * * * *
6 × 2 + 4	* * * * * * * * *

1 × 5 + 4	
4 × 3 + 2	* * * * * * * * * * *
4 × 4 + 1	
4 × 4 + 2	* * * * * * * * * * * * * * * * * * * *
5 × 3	* * * * *
6 × 3 + 2	
5 × 1 + 4	+ + + + + + + +
2 × 6 + 1	* * * * * * * * *
2 × 7 + 1	A A A A A A A A A A
2 × 5	* * * * * * * *
4 × 5	* * * * * * * * * * *
6 × 3 + 2	

2 × 8 + 1	* * * * * * * * * * * * * * * * * * *
2 × 7	
2 × 7	* * * * * * * * * * * * * * * * * * *
4 × 2 + 1	
$4 \times 3 + 3$	* * * * * * * * * * * * * * * * * * *
6 × 2 + 2	
1 × 4 + 3	***
3 × 3	\(\text{\text{\$\infty} \text{\$\infty} \text{\$\infty} \\ \$\i
6 × 1 + 4	A A
3 × 6 + 1	* * * * * * * * * * * *
5 × 2	
3 × 3	

4 × 4 + 1	
4 × 2 + 1	A A A A A A A A A A
4 × 3 + 1	
6 × 1 + 2	
$4 \times 4 + 3$	* * * * * * * * * * * *
6 × 2 + 4	* * * * * * * * * *
4 × 3	* * * * * * * *
4 × 1 + 3	
6 × 1 + 1	A A
$4 \times 2 + 3$	A A A A A A A A A A A A
4 × 2	A A B A B B B B B <t< td=""></t<>
$3 \times 4 + 2$	* * * * * * *

6 × 2 + 4	A A A A A A A A A A A A A A A A
5 × 1 + 3	
2 × 3 + 1	* * * * * * * * * * * * * * * * * * *
3 × 5 + 2	
6 × 2 + 2	
5 × 3 + 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 × 5 + 4	
2 × 3 + 1	\text{\rightarrow} \righta
5 × 3 + 3	
4 × 4	A A A A A A A A A A A A A A A A
6 × 3 + 1	
$3 \times 5 + 2$	

2 × 5 + 1	* * * * * * * * * * * * * * * * * * *
5 × 2 + 3	* * * * * * * * *
2 × 4 + 2	* * * * * * * * * * * * * * * * * * *
$3 \times 3 + 2$	* * * * * * * *
2 × 8 + 1	* * * * * * * * * * * * * * * * * * *
$4 \times 4 + 3$	
5 × 2 + 4	* * * * * * *
6 × 2 + 5	A A
4 × 2	* * * *
2 × 5 + 1	
1 × 5 + 2	
2 × 8	* * * * * * * * * * * * * * * * * * *

.

6 × 1 + 1	
3 × 5	
5 × 3 + 1	
1 × 6 + 5	
6 × 2 + 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 × 6 + 4	
5 × 3 + 2	A B
$4 \times 4 + 2$	* * * * * * * * * * * * * * * * * * * *
3 × 3	Q Q Q Q Q Q Q Q Q Q
4 × 2 + 1	A A B A B B B B B <t< td=""></t<>
6 × 2 + 5	
4 × 3 + 2	* * * * * * * * * * * * * * * * * * * *

6 × 2 + 2	* * * * * * * * * *
2 × 7	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 × 5 + 2	
3 × 4	A A
2 × 6 + 1	* * * * * * * * *
3 × 5 + 1	* * * * * * * *
2 × 7 + 1	* * * * * * * * * * * * * * * * * * * *
6 × 2 + 3	
3 × 5 + 1	
$5 \times 3 + 4$	* * * * * * * * * * * * * * * * * * * *
4 × 2 + 1	* * * * *
5 × 2 + 3	

2 × 6 + 1	* * * * * * * *
4 × 2	* * * *
6 × 3	* * * * * * * * * * * * * * * * * * * *
4 × 4 + 1	
4 × 4 + 1	
5 × 2 + 4	
1 × 4 + 3	বববব
1 × 6 + 5	* * * * * * * * * * * * * * * * * * *
2 × 7	* * * * * * *
6 × 3 + 2	
6 × 3 + 2	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3 × 4 + 1	* * * * * * * * *

5 × 3 + 1	* * * * * * * * * * * * * * * * * * *
$3 \times 5 + 2$	* * * * * * * * * *
2 × 8 + 1	
2 × 5	
2 × 6 + 1	A A A A A A A A A A A A A A A
$5 \times 3 + 3$	* * * * * * * * * * * * * * * * * * *
4 × 4	* * * * * * * * * *
5 × 3 + 4	* * * * * * * * * * * * * * * * * * *
2 × 9 + 1	* * * * * * * * * * * * * * * * * * *
3 × 5 + 1	
5 × 3 + 4	
5 × 4	

$4 \times 4 + 3$	* * * * * * * * * * * * * * * * * * * *
$5 \times 3 + 3$	* * * * * * * * * * * * * * * * * * *
5 × 4	A B
$6 \times 2 + 3$	
2 × 5	+ + + + + + + + + + + + + + + + + + +
6 × 2 + 4	
5 × 2 + 3	+ + + + + +
2 × 5 + 1	
3 × 4	
2 × 4 + 1	A A A A A A A A A
6 × 1 + 3	
4 × 2	* * * *

2	×	4					+ 4		+ + + +			
3 ×	3	+	2				† ·		• •	•		
5 ×	3	+	4		†	†	†	+ + +	†	†	^	
2	×	7				* *	*) (• • • •	* *		
4 ×	2	+	2			•	•	•	•	•		
2	×	8				+ +	* 4 * 4		•	+ +		
3 ×	6	+	2	+	+ +	* *	* *	• •	*	+	+	+
3 ×				+	+	* *	•	•	•	* *	+	+
	2	+	2	*	♣	• •		• • • • •	•	•	↑ ↑ ○ ○ ○ ○ ○	*
4 ×	2	+	2	+	♣	8	φ (2 (Φ.	* *	* *
4 ×	2 3 ×	+ + 6	2	*		8	\$ 0	2 (2 0	8		+

4 × 3 + 1	
$3 \times 4 + 2$	* * * * * * * * * * * * * * * * * * * *
3 × 5 + 1	* * * * * * * * * *
2 × 4 + 2	* * * * *
5 × 3 + 2	A B
6 × 2	A B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B
$5 \times 3 + 3$	* * * * * * * * * * * * * * * * * * *
$4 \times 2 + 1$	
2 × 8 + 1	* * * * * * * *
1 × 5 + 2	••••
2 × 10	* * * * * * * * * * * * * * * * * * * *
2 × 4 + 3	* * * * * * * * * * * * * * * * * * *

6 × 2 + 4	* * * * * * * * * *
2 × 6 + 1	* * * * * * *
3 × 5 + 1	A A A A A A A A
$3 \times 6 + 2$	* * * * * * * * * * * * * * * * * * *
3 × 6	* * * * * * * * * * * * * * * * * * *
3 × 4	
2 × 7	0 0 0 0 0
2 × 6	+ + + + + + + + + + + + + + + + + + + +
6 × 1 + 4	
2 × 4 + 1	
$3 \times 2 + 1$	
2 × 4	• • •

Izidor Hafner

Illustrating Arithmetic with Graphic Arrays

 $\verb|http://demonstrations.wolfram.com/IllustratingArithmeticWithGraphicArrays/Wolfram|$

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