

x[0]

x[1]

x[2]

x[3]

x[4]

x[5]

x[6]

a

a_0	a_1	a_2	a_3	a_4	a_5	a_6
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t

a_0	a_1	a_2	a_3	a_4	a_5
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Iteration 1

a

$$a_0 \quad a_0 + a_1 \quad a_1 + a_2 \quad a_2 + a_3 \quad a_3 + a_4 \quad a_4 + a_5 \quad a_5 + a_6$$

t

a_0	$a_0 + a_1$	$a_1 + a_2$	$a_2 + a_3$	$a_2 + a_3$
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Iteration 2

a

$$a_0 \quad a_0 + a_1 \quad a_0 + \dots + a_2 \quad a_0 + \dots + a_3 \quad a_1 + \dots + a_4 \quad a_2 + \dots + a_5 \quad a_3 + \dots + a_6$$

1

a_0	$a_0 + a_1$	$a_0 + \dots + a_2$
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Iteration 3

a

$$a_0 \quad a_0 + a_1 \quad a_0 + \dots + a_2 \quad a_0 + \dots + a_3 \quad a_0 + \dots + a_4 \quad a_0 + \dots + a_5 \quad a_0 + \dots + a_6$$

Finally