Gerichtete Schaltungen ohne Rückkopplung

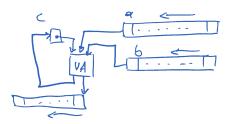
Addition

1. Ausalz

1 Additions stafe

Nimm 2 Ziffern und

Übertrag von rechts
berechne
Summe und Wertrag für linke Stelle



VA - Volladalierer

Volladdiere.

«; b; c:	City Si
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001	011
010	011
011	01/
100	10-
101	10-
1101	111

C	11		6	y,`	
	0	0	(1)	0	
	0	1	0	1	6:
		(C.			•

$$S_{i} = \overrightarrow{a_{i} \cdot b_{i} \cdot c_{i}}$$

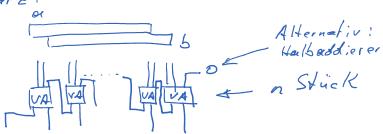
$$+ \overrightarrow{a_{i} \cdot b_{i} \cdot c_{i}}$$

$$+ \overrightarrow{a_{i} \cdot b_{i} \cdot c_{i}}$$

$$+ \overrightarrow{a_{i} \cdot b_{i} \cdot c_{i}}$$

Laufzeit: n-Bit

2. Ansatz:

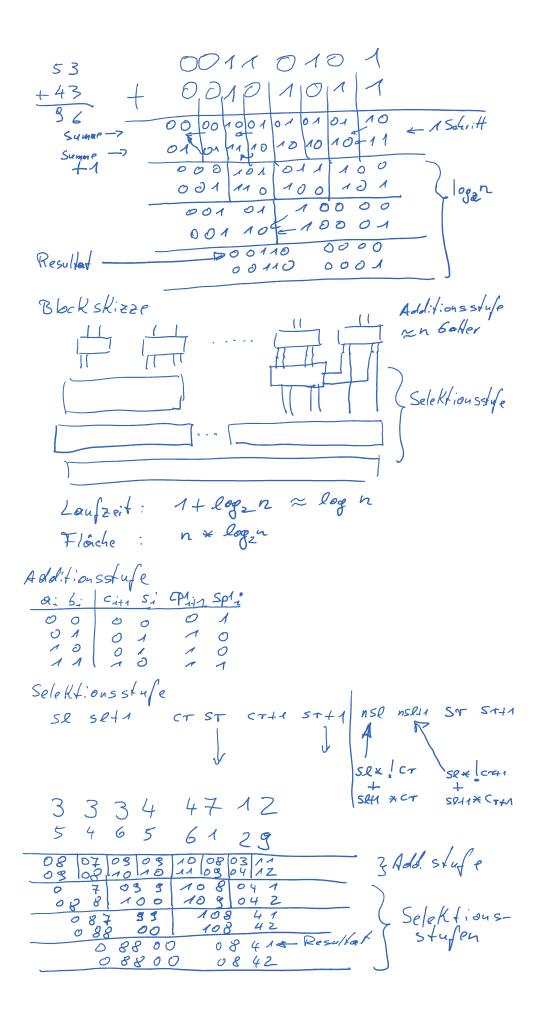


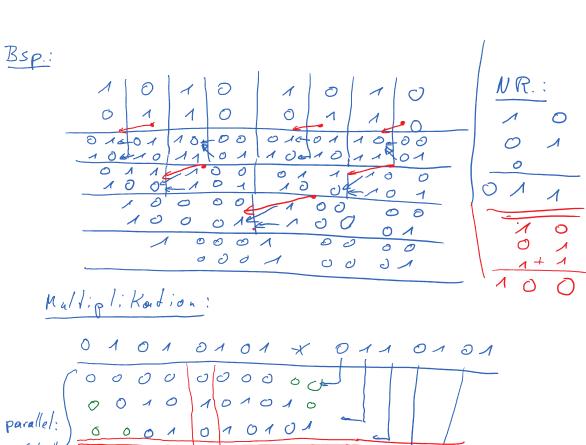
llosten

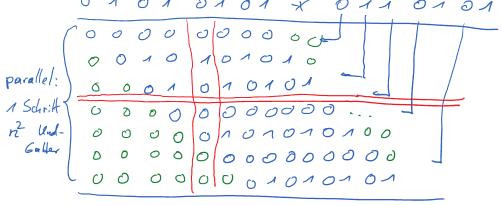
Laufzeit - ~ n

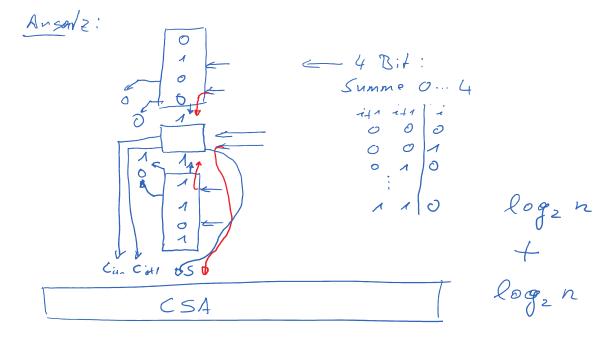
3. Ansatz:

00110101 53 1 07/01/101/1 L43

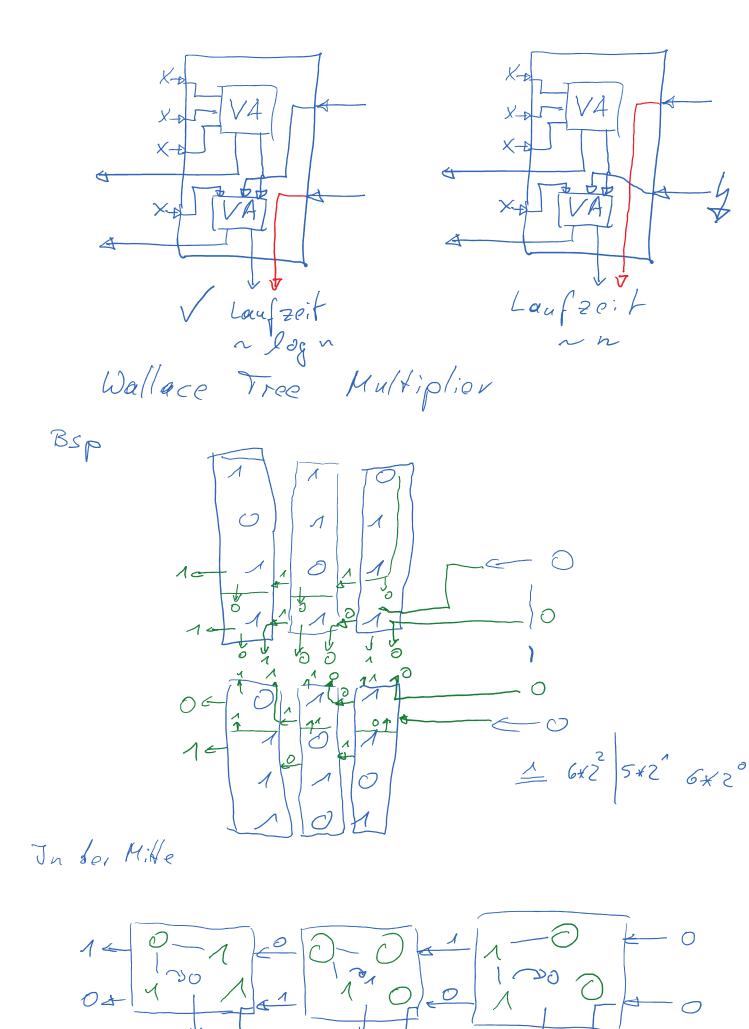








Innenlaben blaue Box:



Grundlagen HW Seite 4

Addition 1 0 11 0 1 1 0 0 0 1 0 1