

Musterlösung 7. Gruppenübung

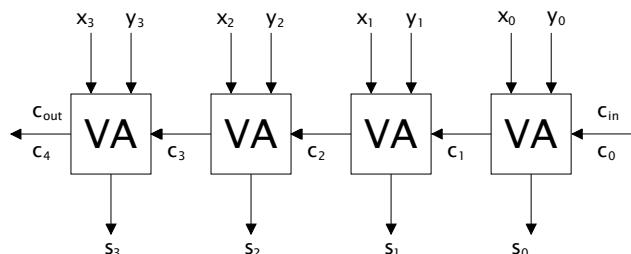
Digitaltechnik und Rechnersysteme • Wintersemester 2022/2023

1.1 Ripple-Carry-Addierer

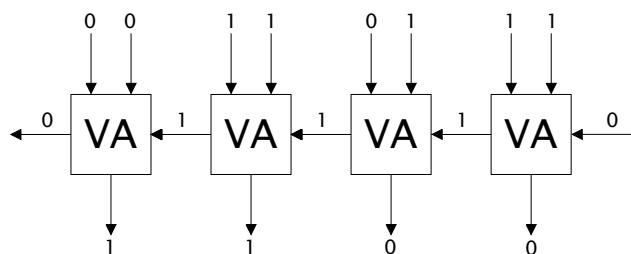
a)

$$\begin{array}{r}
 5 \quad 0101_2 \\
 +7 \quad +0111_2 \\
 \hline
 =12 \quad =1100_2
 \end{array}$$

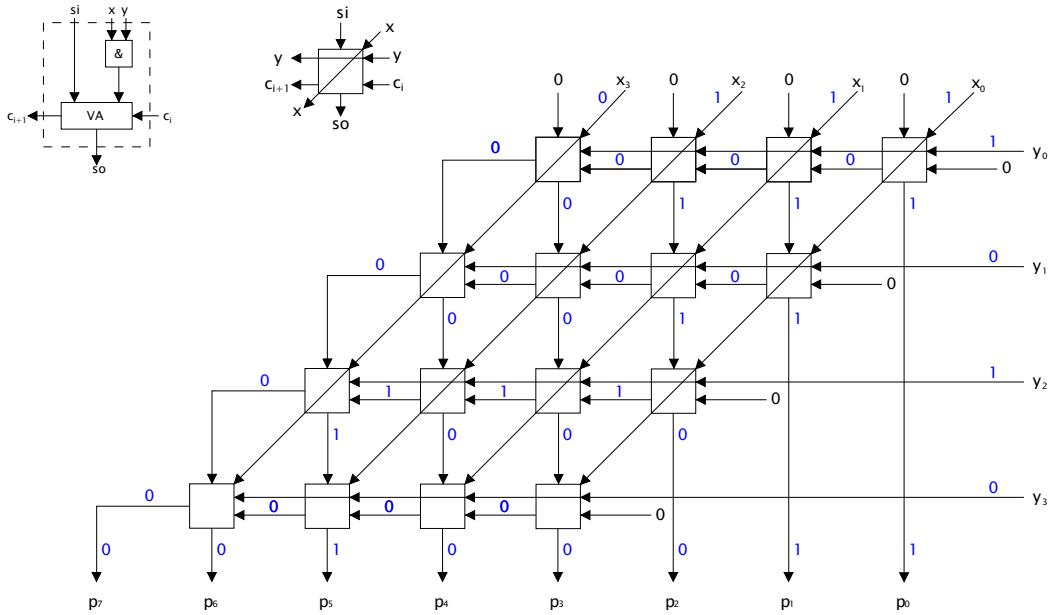
b)



c)



1.2 Ripple Carry Array Multiplizierer



Kontrolle mit vertauschten Eingängen:

