

Booth's - Algorithmus

$$P_{1,10} = 2.2$$

$$0010 \quad 0010$$

000000100	1. >>	01	add 00 >>
000000010	2. sub 0010	10	sub 00 >>
111000010	>>	1100	00 >>
111100001	3. add 0010		
000100001	>>		
000010000	4. >>		
000001000			

$$= 00000100 = 4 \quad \checkmark$$

$$P_{2,10} \quad 6.7$$

$$6 = 0110 \quad 7 = 0111$$

000001100	1. >>
000000110	2. sub 0111
100100110	>>
110010011	3. >>
111001001	4. add 0111
010101001	>>
001010100	

$$= 00101010 = 42 \quad \checkmark$$

$$P_{3,10}$$

$$6 = 0110 \quad -7 = 1001$$

000001100	1. >>
000000110	2. sub 1001
011100110	>>
001110011	3. >>
000111001	4. add 1001
101011001	>>
110101100	

$$= 11010110 = -42 \quad \checkmark$$