14 shi R2 R1 3; R2 = 8 R1 oub R2 R2 R1; R7 = R2-R1=8R1-R1=7R1 Beyclas Mult takes 4 so this implementation will be taster to taster (4/3 times Paster) shi R2 R1 2; R2=9R1 shi R1 R1 2; R1=8R1 add R2 R2 R1; R2=R2+R5 SIL RT R1 1 26 shi R2 R1 3; R2=8n shi R1 R1 2; R1=4n add R2 R2 R1; R2=12n shi R1 R2 2; R1 = 48n add R2 R2 R1; R2=60n she R1 R2 4; R1 2 9600 add R2 R2 R1; R2 = 1020 n The 10 cycles. Mult tokes negcles, so this implementation is 2.5 times slover Both's algorithm would go through Can't examine pairs of adjacent bits. 1020 = 01 1 1 1 1 1 1 100 2 odd 1000 000000, xn Subtruct 400, xn sh R2 R1 2 ; R2=1024n sh R1 R1 2 ; R2=4n sub R2 R2 R2 ; R2=10200 This implementation trakes 4 cycles which is exactly as fast as simply using mult instruction