

LDI R16 , \$00	; R16 = 00
LDI R17 , \$00	; R17 = 00
LDI R30 , \$00	; R30 = 00
LDI R31 , \$01	; R31 = 01
L1: LD R18 , Z+	; R18 = [R31:R30] , Z++
CPI R30 , \$00	; R30 ? 00
BREQ L3	; If Equal then go L3 (Finish)
L2: LSL R18	; Logical Shift Left R18 (and store C)
ADC R16 , R17	; Add 2R with C
CPI R18 , \$00	; R18 ? 00
BRNE L2	;If Not Equal the go L2
RJMP L1	;Jump L1
L3:	