(a) Assembly code segment	(b) Basic blocks of the segment
ldi r18, 16 L1: ld r17, X	ldi r18, 16 L1: ld r17, X
rcall SB	rcall SB
st X+, r17	st X+, r17
dec r18	dec r18
brne L1	brne L1
clr r18	clr r18
ret	ret
SB: ldi ZL, lo8(SboxTable)	SB: ldi ZL, lo8(SboxTable)
ldi ZH, hi8(SboxTable)	ldi ZH, hi8(SboxTable)
add ZL, r17	add ZL, r17
clr r17	clr r17
adc ZH, r17	adc ZH, r17
lpm r17, Z	lpm r17, Z
ret	ret