(a) Assembly code segment	(b) Basic blocks of the segment

<pre>   ldi r18, 16
L1: ld r17, X
      rcall SB
      st X+, r17
      dec r18
      brne L1
      clr r18
      ret
SB: ldi ZL, lo8(SboxTable)
      ldi ZH, hi8(SboxTable)
      add ZL, r17
      clr r17
      adc ZH, r17
      lpm r17, Z
      ret</pre>
	<pre> ldi r18, 16
	L1: ld r17, X
	      rcall SB
	      st X+, r17
	      dec r18
	      brne L1
	      clr r18
	      ret
	SB: ldi ZL, lo8(SboxTable)
	      ldi ZH, hi8(SboxTable)
	      add ZL, r17
	      clr r17
	      adc ZH, r17
	      lpm r17, Z
	      ret</pre>