ARİTMETİK BUYRUKLAR -(8 bit)

İşlem	Komut	Adr yön	Buyruk yapısı 1. Sekizli	2. Sekizli	3. Sekizli	4. Sekizli	Durum Kütüğü T	S	N	Y	E	A	Açıklama
TOP	Ai,V	V	00000011	00000 Ai	Veri		↕	↕	↕	↕	↕	3	Ai ← Ai +V
	Ai,Ki	L	01000011	00 Ai Ki			↕	↕	↕	↕	↕	3	Ai ← Ai + Ki
	Ai,<adr>	D	00000011	00100 Ai	Adr (Yük)	Adr (Düş)	↕	↕	↕	↕	↕	4	Ai ← Ai + <Adr>
	Ai,<CD>	K	00000011	01000 Ai			↕	↕	↕	↕	↕	6	Ai ← Ai + <<CD>>
	Ai,<SK+S>	S	00000011	01100 Ai	S		↕	↕	↕	↕	↕	7	Ai ← Ai + <SK+S>
	Ai,<SK+S>+R	R	00000011	10000 Ai	S	R	↕	↕	↕	↕	↕	7	Ai ← Ai + <SK+S> +R
	Ai,<SK+S>-R	Z	00000011	10100 Ai	S	R	↕	↕	↕	↕	↕	7	Ai ← Ai + <SK+S> - R
	Ai,<SK+CD+S>	U	00000011	11000 Ai	S		↕	↕	↕	↕	↕	8	Ai ← Ai + <SK+CD+S>
	Ai,<YG+S>	Y	00000011	11100 Ai	S		↕	↕	↕	↕	↕	7	Ai ← Ai + <YG+S>
TOPE	Ai,V	V	00000100	00000 Ai	Veri		↕	↕	↕	↕	↕	3	Ai ← Ai +V + E
	Ai,Ki	L	01000100	00 Ai Ki			↕	↕	↕	↕	↕	3	Ai ← Ai + Ki + E
	Ai,<adr>	D	00000100	00100 Ai	Adr (Yük)	Adr (Düş)	↕	↕	↕	↕	↕	4	Ai ← Ai + <Adr> + E
	Ai,<CD>	K	00000100	01000 Ai			↕	↕	↕	↕	↕	6	Ai ← Ai + <<CD>> + E
	Ai,<SK+S>	S	00000100	01100 Ai	S		↕	↕	↕	↕	↕	7	Ai ← Ai + <SK+S> + E
	Ai,<SK+S>+R	R	00000100	10000 Ai	S	R	↕	↕	↕	↕	↕	7	Ai ← Ai + <SK+S> + E +R
	Ai,<SK+S>-R	Z	00000100	10100 Ai	S	R	↕	↕	↕	↕	↕	7	Ai ← Ai + <SK+S> + E - R
	Ai,<SK+CD+S>	U	00000100	11000 Ai	S		↕	↕	↕	↕	↕	8	Ai ← Ai + <SK+CD+S> + E
	Ai,<YG+S>	Y	00000100	11100 Ai	S		↕	↕	↕	↕	↕	7	Ai ← Ai + <YG+S> + E
ÇIK	Ai,V	V	00000101	00000 Ai	Veri		↕	↕	↕	▬	↕	3	Ai ← Ai - V
	Ai,Ki	L	01000101	00 Ai Ki			↕	↕	↕	▬	↕	3	Ai ← Ai - Ki
	Ai,<adr>	D	00000101	00100 Ai	Adr (Yük)	Adr (Düş)	↕	↕	↕	▬	↕	4	Ai ← Ai - <Adr>
	Ai,<CD>	K	00000101	01000 Ai			↕	↕	↕	▬	↕	6	Ai ← Ai - <<CD>>
	Ai,<SK+S>	S	00000101	01100 Ai	S		↕	↕	↕	▬	↕	7	Ai ← Ai - <SK+S>
	Ai,<SK+S>+R	R	00000101	10000 Ai	S	R	↕	↕	↕	▬	↕	7	Ai ← Ai - <SK+S> +R
	Ai,<SK+S>-R	Z	00000101	10100 Ai	S	R	↕	↕	↕	▬	↕	7	Ai ← Ai - <SK+S> - R
	Ai,<SK+CD+S>	U	00000101	11000 Ai	S		↕	↕	↕	▬	↕	8	Ai ← Ai - <SK+CD+S>
	Ai,<YG+S>	Y	00000101	11100 Ai	S		↕	↕	↕	▬	↕	7	Ai ← Ai - <YG+S>
ÇIKE	Ai,V	V	00000110	00000 Ai	Veri		↕	↕	↕	▬	↕	3	Ai ← Ai -V - E
	Ai,Ki	L	01000110	00 Ai Ki			↕	↕	↕	▬	↕	3	Ai ← Ai - Ki - E
	Ai,<adr>	D	00000110	00100 Ai	Adr (Yük)	Adr (Düş)	↕	↕	↕	▬	↕	4	Ai ← Ai - <Adr> - E
	Ai,<CD>	K	00000110	01000 Ai			↕	↕	↕	▬	↕	6	Ai ← Ai - <<CD>> - E
	Ai,<SK+S>	S	00000110	01100 Ai	S		↕	↕	↕	▬	↕	7	Ai ← Ai - <SK+S> - E
	Ai,<SK+S>+R	R	00000110	10000 Ai	S	R	↕	↕	↕	▬	↕	7	Ai ← Ai - <SK+S> - E +R
	Ai,<SK+S>-R	Z	00000110	10100 Ai	S	R	↕	↕	↕	▬	↕	7	Ai ← Ai - <SK+S> - E - R
	Ai,<SK+CD+S>	U	00000110	11000 Ai	S		↕	↕	↕	▬	↕	8	Ai ← Ai - <SK+CD+S> - E
	Ai,<YG+S>	Y	00000110	11100 Ai	S		↕	↕	↕	▬	↕	7	Ai ← Ai - <YG+S> - E

ARİTMETİK BUYRUKLAR -(16 bit Toplama ve Çıkarma, Çarpma, Bölme)

İşlem	Komut	Adr yön	Buyruk yapısı 1. Sekizli	2. Sekizli	3. Sekizli	4. Sekizli	Durum Kütüğü T	S	N	Y	E	A	Açıklama
TOP	AB,VV	V	00100011	00000 AB	Veri (Yük)	Veri (Düş)	↕	↕	↕	▬	↕	4	AB ← AB +VV
	AB,Kii	L	01100011	00 AB Kii			↕	↕	↕	▬	↕	4	AB ← AB + Kii
	AB,<adr>	D	00100011	00100 AB	Adr (Yük)	Adr (Düş)	↕	↕	↕	▬	↕	5	AB ← AB + (<Adr>+<Adr+1>)
	AB,<CD>	K	00100011	01000 AB			↕	↕	↕	▬	↕	7	AB ← AB +(<<CD>>+<<CD+1>>)
	AB,<SK+S>	S	00100011	01100 AB	S		↕	↕	↕	▬	↕	8	AB ← AB +(<SK+S>+<SK+S+1>)
	AB,<SK+S>+R	R	00100011	10000 AB	S	R	↕	↕	↕	▬	↕	8	AB ← AB +(<SK+S>+<SK+S>) +R
	AB,<SK+S>-R	Z	00100011	10100 AB	S	R	↕	↕	↕	▬	↕	8	AB ← AB +(<SK+S>+<SK+S+1>) - R
	AB,<SK+CD+S>	U	00100011	11000 AB	S		↕	↕	↕	▬	↕	9	AB ← AB +(<SK+CD+S>+<SK+CD+S+1>
	AB,<YG+S>	Y	00100011	11100 AB	S		↕	↕	↕	▬	↕	8	AB ← AB +(<YG+S>+<YG+S>)
ÇIK	AB,VV	V	00100101	00000 AB	Veri (Yük)	Veri (Düş)	↕	↕	↕	▬	↕	4	AB ← AB - VV
	AB,Kii	L	01100101	00 AB Kii			↕	↕	↕	▬	↕	4	AB ← AB - Kii
	AB,<adr>	D	00100101	00100 AB	Adr (Yük)	Adr (Düş)	↕	↕	↕	▬	↕	5	AB ← AB - (<Adr>+<Adr+1>)
	AB,<CD>	K	00100101	01000 AB			↕	↕	↕	▬	↕	7	AB ← AB -(<<CD>>+<<CD+1>>)
	AB,<SK+S>	S	00100101	01100 AB	S		↕	↕	↕	▬	↕	8	AB ← AB -(<SK+S>+<SK+S+1>)
	AB,<SK+S>+R	R	00100101	10000 AB	S	R	↕	↕	↕	▬	↕	8	AB ← AB -(<SK+S>+<SK+S>) +R
	AB,<SK+S>-R	Z	00100101	10100 AB	S	R	↕	↕	↕	▬	↕	8	AB ← AB -(<SK+S>+>SK+S+1>) - R
	AB,<SK+CD+S>	U	00100101	11000 AB	S		↕	↕	↕	▬	↕	9	AB ← AB -(<SK+CD+S>+<SK+CD+S+1>
	AB,<YG+S>	Y	00100101	11100 AB	S		↕	↕	↕	▬	↕	8	AB ← AB -(<YG+S>+<YG+S>)
ÇAR	A,V	V	00000111	00000 A	Veri		▬	↕	↕	▬	▬	24	AB ← A * V
	A,Ki	L	01000111	00 A Ki			▬	↕	↕	▬	▬	24	AB ← A * Ki
	A,<adr>	D	00000111	00100 A	Adr (Yük)	Adr (Düş)	▬	↕	↕	▬	▬	26	AB ← A * <Adr>
	A,<CD>	K	00000111	01000 A			▬	↕	↕	▬	▬	28	AB ← A * <<CD>>
	A,<SK+S>	S	00000111	01100 A	S		▬	↕	↕	▬	▬	30	AB ← A * <SK+S>
	A,<SK+S>+R	R	00000111	10000 A	S	R	▬	↕	↕	▬	▬	31	AB ← A * <SK+S> +R
	A,<SK+S>-R	Z	00000111	10100 A	S	R	▬	↕	↕	▬	▬	31	AB ← A * <SK+S> - R
	A,<SK+CD+S>	U	00000111	11000 A	S		▬	↕	↕	▬	▬	32	AB ← A * <SK+CD+S>
	A,<YG+S>	Y	00000111	11100 A	S		▬	↕	↕	▬	▬	30	AB ← A * <YG+S>
BÖL	AB,V	V	00100111	00000 AB	Veri		▬	↕	↕	▬	▬	32	AB ← AB / V
	AB,Ki	L	01100111	00000 AB			▬	↕	↕	▬	▬	32	AB ← AB / Ki
	AB,<adr>	D	00100111	00100 AB	Adr (Yük)	Adr (Düş)	▬	↕	↕	▬	▬	34	AB ← AB / <Adr>
	AB,<CD>	K	00100111	01000 AB			▬	↕	↕	▬	▬	36	AB ← AB / <<CD>>
	AB,<SK+S>	S	00100111	01100 AB	S		▬	↕	↕	▬	▬	38	AB ← AB / <SK+S>
	AB,<SK+S>+R	R	00100111	10000 AB	S	R	▬	↕	↕	▬	▬	38	AB ← AB / <SK+S>
	AB,<SK+S>-R	Z	00100111	10100 AB	S	R	▬	↕	↕	▬	▬	38	AB ← AB / <SK+S>
	AB,<SK+CD+S>	U	00100111	11000 AB	S		▬	↕	↕	▬	▬	40	AB ← AB / <SK+CD+S>
	AB,<YG+S>	Y	00100111	11100 AB	S		▬	↕	↕	▬	▬	38	AB ← AB / <YG+S>