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DOSBox Status Window
DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: DOSBOX
--Z:\>mount x D:\Assembly
Drive X is mounted as local directory D:\Assembly\
Z:\>x:
X:\>nasm ex06.asm -o ex06.com -l ex06.lst
X:\>afd ex06.com_

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DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

AX 0000	SI 0000	CS 19F5	IP 0100	Stack +0 0000	Flags 7202
BX 0000	DI 0000	DS 19F5		+2 20CD	
CX 001E	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
DX 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 0 0 0

CMD > 0005

	0	1	2	3	4	5	6	7
DS:0000	CD	20	FF	9F	00	EA	F0	FE
DS:0008	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01
DS:0018	01	01	01	00	02	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF
DS:0028	FF	FF	FF	FF	EB	19	C0	11
DS:0030	A2	01	14	00	18	00	F5	19
DS:0038	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00
DS:0048	00	00	00	00	00	00	00	00

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DS:0000	CD	20	FF	9F	00	EA	F0	FE	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01	01	01	01	00	02	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	C0	11
DS:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip: 0, Program: AFD

AX 0005	SI 0000	CS 19F5	IP 0103	Stack +0 0000	Flags 7200
BX 0000	DI 0000	DS 19F5		+2 20CD	
CX 001E	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
DX 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 0 0

CMD >

0100 A11601	MOV	AX, [0116]	
0103 8B1E1801	MOV	BX, [0118]	
0107 01C3	ADD	BX, AX	
0109 A11A01	MOV	AX, [011A]	
010C 01D8	ADD	AX, BX	
010E A31C01	MOV	[011C], AX	
0111 B8004C	MOV	AX, 4C00	
0114 CD21	INT	21	
0116 05000A	ADD	AX, 0A00	

1	8	9	A	B	C	D	E	F
DS:0118	0A	00	0F	00	06	00	C7	46
DS:0120	F6	00	00	8B	46	F6	D1	E0
DS:0128	D1	E0	C5	5E	D8	01	C3	8B
DS:0130	07	8B	57	02	85	D2	75	04
DS:0138	85	C0	74	1C	C7	46	DC	00
DS:0140	00	8E	5E	FC	83	7D	0E	00
DS:0148	74	09	8B	46	F2	48	3B	46
DS:0150	F6	7E	08	B8	01	00	EB	05
DS:0158	E9	42	01	31	C0	89	46	E2
DS:0160	8B	46	F6	D1	E0	D1	E0	C5

2	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DS:0000	CD	20	FF	9F	00	EA	F0	FE	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01	01	01	00	02	FF	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	C0	11	
DS:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

1 Step 2 ProcStep 3 Retrieve 4 Help ON 5 BRK Menu 6 7 up 8 dn 9 le 10 ri

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip: 0, Program: AFD

AX 0005	SI 0000	CS 19F5	IP 0107	Stack +0 0000	Flags 7200
BX 000A	DI 0000	DS 19F5		+2 20CD	
CX 001E	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
DX 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 0 0

CMD >

0103 8B1E1801	MOV	BX, [0118]	
0107 01C3	ADD	BX, AX	
0109 A11A01	MOV	AX, [011A]	
010C 01D8	ADD	AX, BX	
010E A31C01	MOV	[011C], AX	
0111 B8004C	MOV	AX, 4C00	
0114 CD21	INT	21	
0116 05000A	ADD	AX, 0A00	
0119 000F	ADD	[BX], CL	

1	8	9	A	B	C	D	E	F
DS:0118	0A	00	0F	00	06	00	C7	46
DS:0120	F6	00	00	8B	46	F6	D1	E0
DS:0128	D1	E0	C5	5E	D8	01	C3	8B
DS:0130	07	8B	57	02	85	D2	75	04
DS:0138	85	C0	74	1C	C7	46	DC	00
DS:0140	00	8E	5E	FC	83	7D	0E	00
DS:0148	74	09	8B	46	F2	48	3B	46
DS:0150	F6	7E	08	B8	01	00	EB	05
DS:0158	E9	42	01	31	C0	89	46	E2
DS:0160	8B	46	F6	D1	E0	D1	E0	C5

2	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DS:0000	CD	20	FF	9F	00	EA	F0	FE	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01	01	01	00	02	FF	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	C0	11	
DS:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

1 Step 2 ProcStep 3 Retrieve 4 Help ON 5 BRK Menu 6 7 up 8 dn 9 le 10 ri

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

AX 0005 SI 0000 CS 19F5 IP 0109 Stack +0 0000 Flags 7204

BX 000F DI 0000 DS 19F5 +2 20CD

CX 001E BP 0000 ES 19F5 HS 19F5 +4 9FFF OF DF IF SF ZF AF PF CF

DX 0000 SP FFFE SS 19F5 FS 19F5 +6 EA00 0 0 1 0 0 0 1 0

CMD >

0107 01C3 ADD BX,AX

0109 A11A01 MOV AX,[011A]

010C 01D8 ADD AX,BX

010E A31C01 MOV [011C],AX

0111 B8004C MOV AX,4C00

0114 CD21 INT 21

0116 05000A ADD AX,0A00

0119 000F ADD [BX],CL

011B 000600C7 ADD [C700],AL

1

A B C D E F 0 1

DS:011A 0F 00 06 00 C7 46 F6 00

DS:0122 00 8B 46 F6 D1 E0 D1 E0

DS:012A C5 5E D8 01 C3 8B 07 8B

DS:0132 57 02 85 D2 75 04 85 C0

DS:013A 74 1C C7 46 DC 00 00 8E

DS:0142 5E FC 83 7D 0E 00 74 09

DS:014A 8B 46 F2 48 3B 46 F6 7E

DS:0152 08 B8 01 00 EB 05 E9 42

DS:015A 01 31 C0 89 46 E2 8B 46

DS:0162 F6 D1 E0 D1 E0 C5 5E D8

2

0 1 2 3 4 5 6 7 8 9 A B C D E F

DS:0000 CD 20 FF 9F 00 EA F0 FE AD DE 1B 05 C5 06 00 00

DS:0010 18 01 10 01 18 01 92 01 01 01 01 00 02 FF FF FF

DS:0020 FF FF FF FF FF FF FF FF FF FF FF FF EB 19 C0 11

DS:0030 A2 01 14 00 18 00 F5 19 FF FF FF FF 00 00 00 00

DS:0040 05 00 00 00 00 00 00 00 00 00 00 00 00 00 00

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1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

Network

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

AX 000F SI 0000 CS 19F5 IP 010C Stack +0 0000 Flags 7204

BX 000F DI 0000 DS 19F5 +2 20CD

CX 001E BP 0000 ES 19F5 HS 19F5 +4 9FFF OF DF IF SF ZF AF PF CF

DX 0000 SP FFFE SS 19F5 FS 19F5 +6 EA00 0 0 1 0 0 0 1 0

CMD >

0109 A11A01 MOV AX,[011A]

010C 01D8 ADD AX,BX

010E A31C01 MOV [011C],AX

0111 B8004C MOV AX,4C00

0114 CD21 INT 21

0116 05000A ADD AX,0A00

0119 000F ADD [BX],CL

011B 000600C7 ADD [C700],AL

011F 46 INC SI

1

A B C D E F 0 1

DS:011A 0F 00 06 00 C7 46 F6 00

DS:0122 00 8B 46 F6 D1 E0 D1 E0

DS:012A C5 5E D8 01 C3 8B 07 8B

DS:0132 57 02 85 D2 75 04 85 C0

DS:013A 74 1C C7 46 DC 00 00 8E

DS:0142 5E FC 83 7D 0E 00 74 09

DS:014A 8B 46 F2 48 3B 46 F6 7E

DS:0152 08 B8 01 00 EB 05 E9 42

DS:015A 01 31 C0 89 46 E2 8B 46

DS:0162 F6 D1 E0 D1 E0 C5 5E D8

2

0 1 2 3 4 5 6 7 8 9 A B C D E F

DS:0000 CD 20 FF 9F 00 EA F0 FE AD DE 1B 05 C5 06 00 00

DS:0010 18 01 10 01 18 01 92 01 01 01 01 00 02 FF FF FF

DS:0020 FF FF FF FF FF FF FF FF FF FF FF FF EB 19 C0 11

DS:0030 A2 01 14 00 18 00 F5 19 FF FF FF FF 00 00 00 00

DS:0040 05 00 00 00 00 00 00 00 00 00 00 00 00 00 00

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1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

Network

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

X 001E	SI 0000	CS 19F5	IP 010E	Stack +0 0000	Flags 7214
X 000F	DI 0000	DS 19F5		+2 20CD	
X 001E	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
X 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 1 1 0

CMD >

0006

10C 01D8	ADD	AX, BX
10E A31C01	MOV	[011C], AX
111 B8004C	MOV	AX, 4C00
114 CD21	INT	21
116 05000A	ADD	AX, 0A00
119 000F	ADD	[BX], CL
11B 000600C7	ADD	[C700], AL
11F 46	INC	SI
120 F60000	TEST	[BX+SI], 00

1	C	D	E	F	0	1	2	3
DS:011C	06	00	C7	46	F6	00	00	8B
DS:0124	46	F6	D1	E0	D1	E0	C5	5E
DS:012C	D8	01	C3	8B	07	8B	57	02
DS:0134	85	D2	75	04	85	C0	74	1C
DS:013C	C7	46	DC	00	00	8E	5E	FC
DS:0144	83	7D	0E	00	74	09	8B	46
DS:014C	F2	48	3B	46	F6	7E	08	B8
DS:0154	01	00	EB	05	E9	42	01	31
DS:015C	C0	89	46	E2	8B	46	F6	D1
DS:0164	E0	D1	E0	C5	5E	D8	01	C3

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
S:0000	CD	20	FF	9F	00	EA	F0	FE	AD	DE	1B	05	C5	06	00	00
S:0010	18	01	10	01	18	01	92	01	01	01	00	02	FF	FF	FF	FF
S:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	C0	11	
S:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
S:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

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1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

AX 001E	SI 0000	CS 19F5	IP 0111	Stack +0 0000	Flags 7214
BX 000F	DI 0000	DS 19F5		+2 20CD	
CX 001E	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
DX 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 1 1 0

CMD >

010E A31C01	MOV	[011C], AX
0111 B8004C	MOV	AX, 4C00
0114 CD21	INT	21
0116 05000A	ADD	AX, 0A00
0119 000F	ADD	[BX], CL
011B 001E00C7	ADD	[C700], BL
011F 46	INC	SI
0120 F60000	TEST	[BX+SI], 00
0123 8B46F6	MOV	AX, [BP-0A]

1	C	D	E	F	0	1	2	3
DS:011C	1E	00	C7	46	F6	00	00	8B
DS:0124	46	F6	D1	E0	D1	E0	C5	5E
DS:012C	D8	01	C3	8B	07	8B	57	02
DS:0134	85	D2	75	04	85	C0	74	1C
DS:013C	C7	46	DC	00	00	8E	5E	FC
DS:0144	83	7D	0E	00	74	09	8B	46
DS:014C	F2	48	3B	46	F6	7E	08	B8
DS:0154	01	00	EB	05	E9	42	01	31
DS:015C	C0	89	46	E2	8B	46	F6	D1
DS:0164	E0	D1	E0	C5	5E	D8	01	C3

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DS:0000	CD	20	FF	9F	00	EA	F0	FE	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01	01	01	00	02	FF	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	C0	11	
DS:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

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1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

AX 4C00	SI 0000	CS 19F5	IP 0114	Stack +0 0000	Flags 7214
BX 000F	DI 0000	DS 19F5		+2 20CD	
CX 001E	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
DX 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 1 1 0

CMD >

0111 B8004C	MOV	AX,4C00
0114 CD21	INT	21
0116 05000A	ADD	AX,0A00
0119 000F	ADD	[BX],CL
011B 001E00C7	ADD	[C700],BL
011F 46	INC	SI
0120 F60000	TEST	[BX+SI],00
0123 8B46F6	MOV	AX,[BP-0A]
0126 D1E0	SHL	AX,1

1	C	D	E	F	0	1	2	3
DS:011C	1E	00	C7	46	F6	00	00	8B
DS:0124	46	F6	D1	E0	D1	E0	C5	5E
DS:012C	D8	01	C3	8B	07	8B	57	02
DS:0134	85	D2	75	04	85	C0	74	1C
DS:013C	C7	46	DC	00	00	8E	5E	FC
DS:0144	83	7D	0E	00	74	09	8B	46
DS:014C	F2	48	3B	46	F6	7E	08	B8
DS:0154	01	00	EB	05	E9	42	01	31
DS:015C	C0	89	46	E2	8B	46	F6	D1
DS:0164	E0	D1	E0	C5	5E	D8	01	C3

2	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DS:0000	CD	20	FF	9F	00	EA	F0	FE	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01	01	01	01	00	02	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	C0	11
DS:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

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1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri

DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: AFD

AX 0000	SI 0000	CS 19F5	IP 0100	Stack +0 0000	Flags 7202
BX 0000	DI 0000	DS 19F5		+2 20CD	
CX 0000	BP 0000	ES 19F5	HS 19F5	+4 9FFF	OF DF IF SF ZF AF PF CF
DX 0000	SP FFFE	SS 19F5	FS 19F5	+6 EA00	0 0 1 0 0 0 0 0

CMD >

Program terminated OK

0100 A11601	MOV	AX,[0116]
0103 8B1E1801	MOV	BX,[0118]
0107 01C3	ADD	BX,AX
0109 A11A01	MOV	AX,[011A]
010C 01DB	ADD	AX,BX
010E A31C01	MOV	[011C],AX
0111 B8004C	MOV	AX,4C00
0114 CD21	INT	21

1	C	D	E	F	0	1	2	3
DS:011C	1E	00	C7	46	F6	00	00	8B
DS:0124	46	F6	D1	E0	D1	E0	C5	5E
DS:012C	D8	01	C3	8B	07	8B	57	02
DS:0134	85	D2	75	04	85	C0	74	1C
DS:013C	C7	46	DC	00	00	8E	5E	FC
DS:0144	83	7D	0E	00	74	09	8B	46
DS:014C	F2	48	3B	46	F6	7E	08	B8
DS:0154	01	00	EB	05	E9	42	01	31
DS:015C	C0	89	46	E2	8B	46	F6	D1
DS:0164	E0	D1	E0	C5	5E	D8	01	C3

2	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
DS:0000	CD	20	FF	9F	00	EA	FF	FF	AD	DE	1B	05	C5	06	00	00
DS:0010	18	01	10	01	18	01	92	01	01	01	01	00	02	FF	FF	FF
DS:0020	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	FF	EB	19	E4	11
DS:0030	A2	01	14	00	18	00	F5	19	FF	FF	FF	FF	00	00	00	00
DS:0040	05	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00

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1 Step 2ProcStep 3Retrieve 4Help ON 5BRK Menu 6 7 up 8 dn 9 le 10 ri