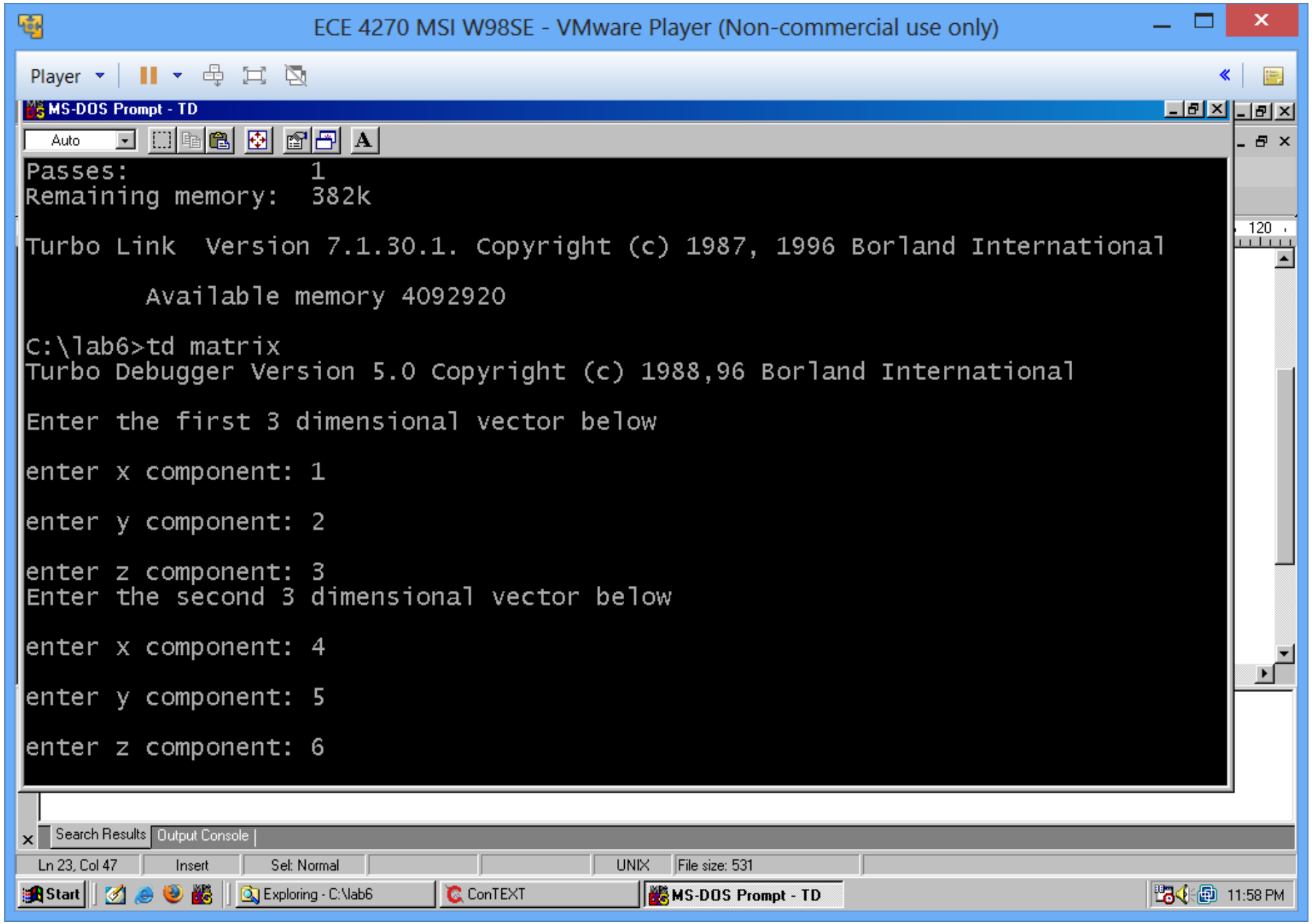
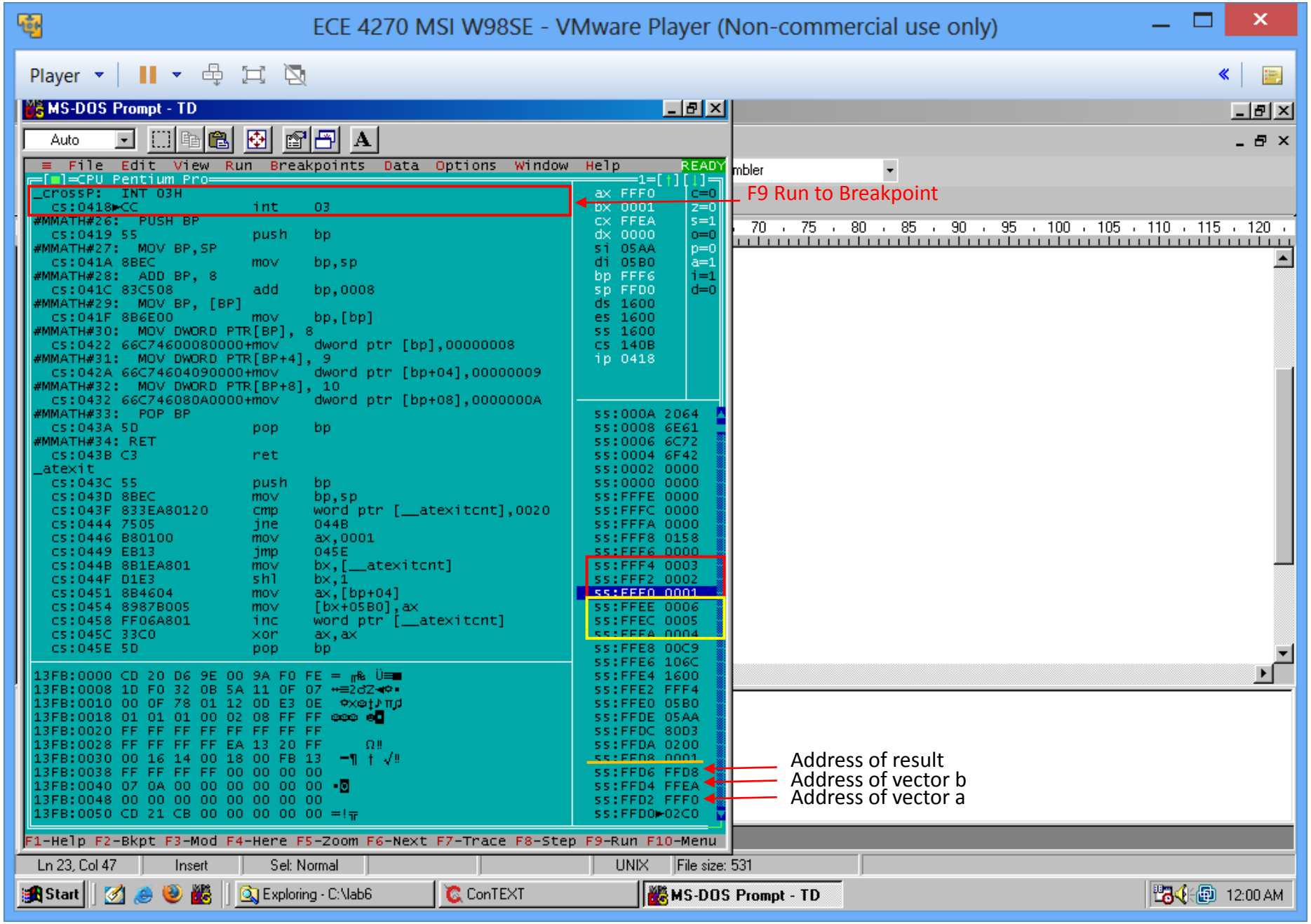
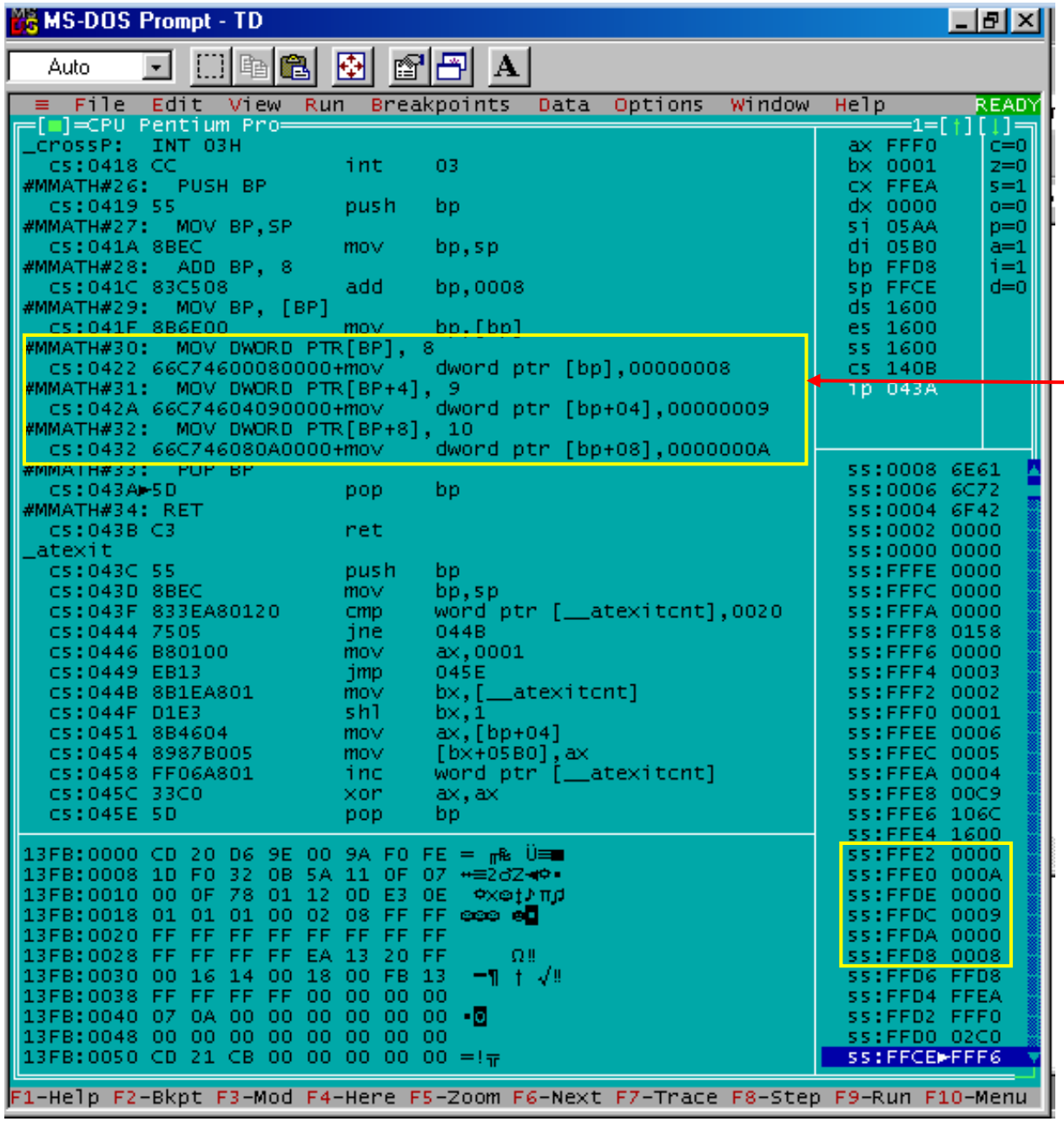
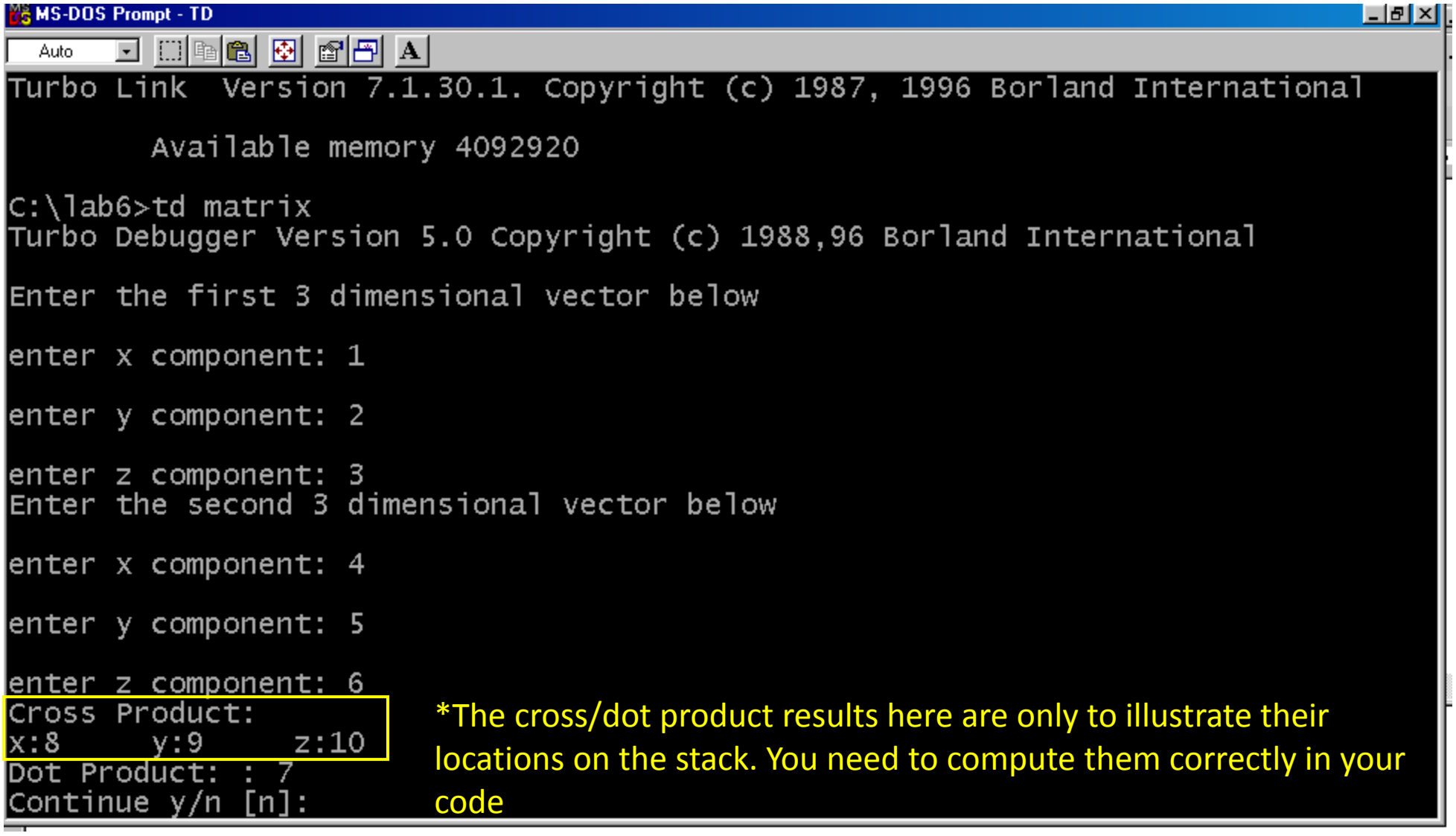
tcc –M matrix.c –v mmath.asm




ECE 4270 MSI W98SE - VMware Player (Non-commercial use only)
Player
MS-DOS Prompt - TD
Auto
File Edit View Run Breakpoints Data Options Window Help
READY
CPU Pentium Pro
_crossP: INT 03H
cs:0418►CC int 03
#MMATH#26: PUSH BP
cs:0419 55 push bp
#MMATH#27: MOV BP,SP
cs:041A 8BEC mov bp,sp
#MMATH#28: ADD BP, 8
cs:041C 83C508 add bp,0008
#MMATH#29: MOV BP, [BP]
cs:041F 8B6E00 mov bp,[bp]
#MMATH#30: MOV DWORD PTR[BP], 8
cs:0422 66C74600080000+mov dword ptr [bp],00000008
#MMATH#31: MOV DWORD PTR[BP+4], 9
cs:042A 66C74604090000+mov dword ptr [bp+04],00000009
#MMATH#32: MOV DWORD PTR[BP+8], 10
cs:0432 66C746080A0000+mov dword ptr [bp+08],0000000A
#MMATH#33: POP BP
cs:043A 5D pop bp
#MMATH#34: RET
cs:043B C3 ret
_atexit
cs:043C 55 push bp
cs:043D 8BEC mov bp,sp
cs:043F 833EA80120 cmp word ptr [__atexitcnt],0020
cs:0444 7505 jne 044B
cs:0446 B80100 mov ax,0001
cs:0449 EB13 jmp 045E
cs:044B 8B1EA801 mov bx,[__atexitcnt]
cs:044F D1E3 shl bx,1
cs:0451 8B4604 mov ax,[bp+04]
cs:0454 8987B005 mov [bx+05B0],ax
cs:0458 FF06A801 inc word ptr [__atexitcnt]
cs:045C 33C0 xor ax,ax
cs:045E 5D pop bp
13FB:0000 CD 20 D6 9E 00 9A F0 FE =
13FB:0008 1D F0 32 0B 5A 11 0F 07
13FB:0010 00 0F 78 01 12 0D E3 0E
13FB:0018 01 01 01 00 02 08 FF FF
13FB:0020 FF FF FF FF FF FF FF FF
13FB:0028 FF FF FF FF EA 13 20 FF
13FB:0030 00 16 14 00 18 00 FB 13
13FB:0038 FF FF FF FF 00 00 00 00
13FB:0040 07 0A 00 00 00 00 00 00
13FB:0048 00 00 00 00 00 00 00 00
13FB:0050 CD 21 CB 00 00 00 00 00
ax FFF0 c=0
bx 0001 z=0
cx FFEA s=1
dx 0000 o=0
si 05AA p=0
di 05B0 a=1
bp FFF6 i=1
sp FFD0 d=0
ds 1600
es 1600
ss 1600
cs 140B
ip 0418
ss:000A 2064
ss:0008 6E61
ss:0006 6C72
ss:0004 6F42
ss:0002 0000
ss:0000 0000
ss:FFFE 0000
ss:FFFC 0000
ss:FFFA 0000
ss:FFF8 0158
ss:FFF6 0000
ss:FFF4 0003
ss:FFF2 0002
ss:FFF0 0001
ss:FFEE 0006
ss:FFEC 0005
ss:FFEA 0004
ss:FFE8 00C9
ss:FFE6 106C
ss:FFE4 1600
ss:FFE2 FFF4
ss:FFE0 05B0
ss:FFDE 05AA
ss:FFDC 80D3
ss:FFDA 0200
ss:FFD8 0001
ss:FFD6 FFD8
ss:FFD4 FFEA
ss:FFD2 FFF0
ss:FFD0►02C0
F1-Help F2-Bkpt F3-Mod F4-Here F5-Zoom F6-Next F7-Trace F8-Step F9-Run F10-Menu
F9 Run to Breakpoint
Address of result
Address of vector b
Address of vector a
Ln 23, Col 47
Insert
Sel: Normal
UNIX
File size: 531
Start
Exploring - C:\lab6
ConTEXT
MS-DOS Prompt - TD
12:00 AM



Demo result output; you'll need to compute them.



*The cross/dot product results here are only to illustrate their locations on the stack. You need to compute them correctly in your code