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1. asm:

STACK 1 SEGMENT PARA STACK

STACK\_AREA DW 100H DUP(?)

STACK \_ BOTTOM EQU \$ - STACK-AREA

STACK I EMDS

DATA1 SEGMENT PARA

TABLE -LEW DW 16

TABLE RY 200, 300, 400, 10, 20, 1, 2037H, 386KH

DW 41H. 40,42H, 50,60

RESULT DB 5 DUP (2), 20H, '\$'

DATA1 ENDS

CODES SEGMENT PARA

ASSUME CS: CODE1, DS: DATA1, SS: STACK1

PRINT YEARD - DEC PROC FAR

pus H Ax

PUSH BX

push cx

push px

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MOV OX, 5
MOV DJ, Offset RESULT + 4
MOV BX, 10

#### IP\_ DECIMAL:

DX, PX XOR BX VIQ DL , 30H OR MOV IDII, DL DEC DI LOOP LP\_DECIMAL DX, offset RESULT MOY CALL FAR PTR PRINT\_STRING POP DI POP DX POP OX POP BX AX POP RET

PRINT-WORD\_DEC ENDP

PRINT-BYTE PROC PAR
PUSH AX
PUSH AX
INT 21 H
POP AX

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PRINT-BYTE ENDP

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PRINT\_ STRING PROC FAP

PUSH AX

PUSH MOV AH, P

INT 21 H

POP AX

RET

PRINT\_TABLE PROC FAR

PRINT - STRING

MOV OX, TABLE - LEN MOV SI, OFFSET TABLE

LP1.

MOV AX IS I]

END

CALL PRINT - WORD DEC

INC 21

ENC SI

LOOP LP1

MOY DX, OFFSET

CALL PRINT \_ STRING

PET

PRINT\_TABLE ENDP

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```
BUBBLE -SORT:
                 PROC
                VVOX
                     CX , TABLE_ LEN
               DEC
                      CX
                      BY, 1
                MOY
LPZ:
               No V
                      SI, OFFSET TABLE
               DUSH
                      OX
                     ΑX,
 192-1:
                            ISIJ
               MUY
               CMP
                      AX, ISI, t2]
               JBE
                      CONTINUE
                         1 14. IZI, XA
               XCHG
               MOY
                         ISII . AY
                        BX, 0
               MOV
                  APD SI, 2
CONTINUE .
                 LOOP LP2-1
                 POP
                        CY
                 DEC
                         CX
                         BX, 1
                 CMIP
                 Jz
                         BUBBLE - SORT - EXIT
                 JMP
                          SHORT LP2.
```

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BUBBLE - SORT - EXIT :

PET.

BUBBLE - SORT

ENDP

START .

PROC FAR

MOV At . STACK 1

MOY SS. AX

MOV 99, BOTT STACK-BOTTOM

MOV AX ATA 1
MOV PS. AX

CALL PRINT - TABLE

CALL BURBLE\_SURT

CALL PRINT - TABLE

EXIT:

MOY , AX 4000 H

HIC THI

MIAM

ENDP

sope I

ENDS

END

START

### 2.asm 北京航空航天大學

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STACK1	SEGMENT PARA STACK, comp	AΧ , υ
STACK - AREA	DA 100H DD(5) 18	LP_BERO
STACK - BOTTOM	EQU \$-STACK_APEN	
576061	DEC	PΤ
G two -	1004	LP_DECIMAL
PATA1	LP_≥ERO. SEGMENT PAR 1 12- MOV	0
, N. M.		DX, DI
RESULT	DB 5 DUP(2), 20H, '\$'!	FAR PTR PRINT_STRI
IE#W_L TNE	DB 5 DUP(?), 20H, '\$'!  PDP 0PH, 0AH, '\$'	ρŢ
DATA1	, 701	DX
V-1 1/4-	ENDS : AT POP	<i>∞</i>
DDE 1 SE	GEMENT PARA POP	
	$D\sigma\Phi$	BX
70.	SSUME CG. CODE1, DS: DOTA1, SS. STARKI RET	
RINT_WORD_DEC	PROC FAP PRINT_WORD_DEC 1	ENDP
	PUSH AY	240
	PUSH BY PRINT BYTE PUSH CY	PROC FOR
	PV	ISH AZ
		ov AH.9
	02	VT 2H
	May ex, 5	PAK
	MOV DI, OFFSET, RESULT, -t/	70 1
	RET	
	MOV BX . 10  PRIMT_STRING F	PROC FAR
P- PECIMAL	1.5	
,	XOP DX. DX	ush bx
	DIV BX	MOV AH, 9
	OR DL, 30H	M 2H /
	MOV TOT 1 bl	PAR
	PE PE	N

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37XUEYUANROADBEIJING 100191CHINA PALM\_SI PLAGE END P

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PRINT_ NEW LINE	PROC FAR	afts loop-1 -out
	push DX MOV DX, OFFSET, NEVL	MUV AX, BX
	CALL PRINT - STRING	POP OX POP BX
	POP DX PET	RET END P
print_neviline	ENDP	START: MAIN PROC FAR
GET_INT	PROC FAR	MOV AX, STACK 1
	push ex	MDV SS, AX
	XOR BX, BX	MOV SP, STACK_BOTTUM MOV AX, DATA 1
GETINT_LOOPI		MOV PS, At
W+ 411 241(1	MOX AH , 1 INT 21 H CAUP AL , OPHI	CALL GET INT  MOV BN, AX  CALL GET & INT
	JE GETINT-100P-1-	
	MOV CX, AX MOV AX, O MUL AX	CALL PRINT_NEWLINE EXIT: MOV AX 4001H
	MOV BX. AX APD BX, CX JMP GETINT_LOOP_1	ENT 21 H MAIN ENDP QDE1 ENDS EXIP STORT