Program Code:

;Assembly language Program > Name > Graphics VGA > Through Line .model small .stack 100h .data .code start: ;Graphics ;mode=13(VGA High resolution) Mov ah, 0 ;set Graphics mode mov al,13h ;mode=13(VGA High resolution) int 10h ;cursor position & invoke the interrupt to change to video mode :----Ain-----

Mov ah,0ch ;Pixel function write Mov al,14 ;Pixel color Mov cx,260 ;column mov dx,55 ;row Ain: int 10h inc cx ;to next column increment cmp cx,270 ;complete inz Ain ;----Ain1-----Mov ah,0ch Mov al,14 Mov cx,235 mov dx,65 Ain1: int 10h

inc cx cmp cx,270 jnz Ain1

;-----Ain2-----

Mov ah,0ch

Mov al,14

Mov cx,260 mov dx,65

Ain2:

int 10h

dec dx

cmp dx**,**55

jnz Ain2

;-----baa-----

Mov ah,0ch

Mov al,14

Mov cx,250

mov dx,65

baa: int 10h dec dx cmp dx,61 jnz baa ;----Dot Baa-----Mov ah,0ch Mov al,14 Mov cx,248 mov dx,70 bd: int 10h inc cx cmp cx,249 jnz bd ;----baa1-----Mov ah,0ch

Mov al,14 Mov cx,245 mov dx,65

baa1:
int 10h
dec dx
cmp dx,61
jnz baa1

;----daal-----

Mov al,14 Mov cx,235

Mov ah,0ch

mov dx,71

daal:

int 10h

dec dx

cmp dx**,**59

jnz daal

```
;-----daal1-----
Mov ah,0ch
Mov al,14
Mov cx,227
mov dx,60
daal1:
int 10h
inc cx
cmp cx,235
jnz daal1
;-----daal2-----
Mov ah,0ch
Mov al,14
Mov cx,227
mov dx,71
daal2:
int 10h
```

inc cx cmp cx,235 jnz daal2 ;----After daal Alif----Mov ah,0ch Mov al,14 Mov cx,223 mov dx,67 Alif: int 10h dec dx cmp dx,50jnz Alif ;-----laam-----Mov ah,0ch Mov al,14 Mov cx,220 mov dx,63

laam: int 10h dec dx cmp dx,50 jnz laam ;----laam1----Mov ah,0ch Mov al,14 Mov cx,210 mov dx,63 laam1: int 10h inc cx cmp cx,220 jnz laam1

;-----Raa-----Mov ah,Och Mov al,14 Mov cx,210 mov dx,73

Raa:
int 10h
dec dx
cmp dx,63
jnz Raa

;-----Raa1-----Mov ah,0ch Mov al,14 Mov cx,203

mov dx,73

Raa1:
int 10h
inc cx
cmp cx,210
jnz Raa1

```
;----After Raa Alif1----
Mov ah,0ch
Mov al,14
Mov cx,205
mov dx,67
Alif1:
int 10h
dec dx
cmp dx,50
jnz Alif1
;----faa up-----
Mov ah,0ch
Mov al,14
Mov cx,193
mov dx,55
faaup:
```

int 10h

inc cx cmp cx,201 jnz faaup ;----faa down long----Mov ah,0ch Mov al,14 Mov cx,180 mov dx,60 faadn: int 10h inc cx cmp cx,200 jnz faadn ;----faa left----Mov ah,0ch Mov al,14 Mov cx,193 mov dx,60

```
faal:
int 10h
dec dx
cmp dx,55
inz faal
;----faa right-----
Mov ah,0ch
Mov al,14
Mov cx,200
mov dx,60
faar:
int 10h
dec dx
cmp dx,55
jnz faar
;----Dot faa-----
Mov ah,0ch
```

Mov al,14 Mov cx,197 mov dx,52 fd: int 10h inc cx cmp cx,198 inz fd ;----crass Ainn left----Mov ah,0ch Mov al,14 Mov cx,176 mov dx,56 cal: int 10h inc cx inc dx

cmp cx,236

```
cmp dx,60
inz cal
;----crass Ainn middle line----
Mov ah,0ch
Mov al,14
Mov cx,176
mov dx,55
caml:
int 10h
inc cx
cmp cx,185
inz caml
;----crass Ainn Right-----
Mov ah,0ch
Mov al,14
Mov cx,184
mov dx,56
```

```
cair:
int 10h
dec cx
inc dx
cmp dx,68
jle cair
;----crass Ainn down line----
Mov ah,0ch
Mov al,14
Mov cx,173
mov dx,68
cadl:
int 10h
inc cx
cmp cx,185
jnz cadl
;----bin for baa----
Mov ah,0ch
```

Mov al,6 Mov cx,150 mov dx,60 bfb: int 10h inc cx cmp cx,160 inz bfb ;----bin for baa right-----Mov ah,0ch Mov al,6 Mov cx,159 mov dx,60 bfbr: int 10h dec dx cmp dx,52jnz bfbr

```
;----Dot Bin for baa-----
Mov ah,0ch
Mov al,6
Mov cx,154
mov dx,63
bfbd:
int 10h
inc cx
cmp cx,155
inz bfbd
;----bin for baa left----
Mov ah,0ch
Mov al,6
Mov cx,150
mov dx,70
bfbl:
int 10h
```

dec dx cmp dx,52inz bfbl ;----bin for baa down----Mov ah,0ch Mov al,6 Mov cx,135 mov dx,70 bfbdn: int 10h inc cx cmp cx,150 inz bfbdn ;----bin for baa right1----Mov ah, Och Mov al,6 Mov cx,135 mov dx,70

bfbrl: int 10h dec dx cmp dx,52 inz bfbrl ;----Dot Bin for noon-----Mov ah,0ch Mov al,6 Mov cx,143 mov dx,60 bfbn: int 10h inc cx cmp cx,144 jnz bfbn ;----Ain f-----

Mov ah,0ch ;Pixel function write Mov al,3 ;Pixel color Mov cx,115 ;column mov dx,55 ;row Ainf: int 10h inc cx ;to next column increment cmp cx,125 ;complete inz Ainf ;----Ainf1-----Mov ah,0ch Mov al,3 Mov cx,90 mov dx,65 Ainf1: int 10h

inc cx cmp cx,125 jnz Ainf1 ;----Ainf2----Mov ah, Och Mov al,3 Mov cx,115 mov dx,65 Ainf2: int 10h dec dx cmp dx,55inz Ainf2 ;----baa f right----Mov ah,0ch Mov al,3 Mov cx,105 mov dx,65

baaf: int 10h dec dx cmp dx,61 jnz baaf ;----Dot Baa f-----Mov ah,0ch Mov al,3 Mov cx,102 mov dx,70 bdf: int 10h inc cx cmp cx,103 jnz bdf ;-----baa1 left-----Mov ah,0ch

Mov al,3 Mov cx,100 mov dx,65 ball: int 10h dec dx cmp dx,61 jnz bal1 ;----daal f -----Mov ah,0ch Mov al,3 Mov cx,90 mov dx,71 daalf: int 10h dec dx cmp dx,59

inz daalf

```
;----daal1 f-----
Mov ah,0ch
Mov al,3
Mov cx,82
mov dx,60
daalf1:
int 10h
inc cx
cmp cx,90
inz daalf1
;----daal2 f-----
Mov ah, Och
Mov al,3
Mov cx,82
mov dx,71
daalf2:
int 10h
```

inc cx cmp cx,90 inz daalf2 ;----After daal Alif f----Mov ah,0ch Mov al,3 Mov cx,78 mov dx,67 Aliff: int 10h dec dx cmp dx,50 inz Aliff ;----laam f-----Mov ah,0ch Mov al,3 Mov cx,75 mov dx,63

laamf: int 10h dec dx cmp dx,50 inz laamf ;----laam1 f----Mov ah,0ch Mov al,3 Mov cx,65 mov dx,63 laamf1: int 10h inc cx cmp cx,75 jnz laamf1 ;-----Raa f-----Mov ah,0ch

Mov al,3 Mov cx,65 mov dx,73

Raaf:
int 10h
dec dx
cmp dx,63
jnz Raaf

;-----Raa1 f-----

Mov ah,0ch

Mov al,3

Mov cx,58 mov dx,73

Raaf1:

int 10h

inc cx

cmp cx,65

jnz Raaf1

```
;----sheen f-----
Mov ah,0ch
Mov al,3
Mov cx,35
mov dx,65
sheenf:
int 10h
inc cx
cmp cx,55
inz sheenf
;----sheen f right----
Mov ah,0ch
Mov al,3
Mov cx,55
mov dx,65
sheenfr:
int 10h
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dec dx cmp dx,61 inz sheenfr ;----sheen f middle----Mov ah,0ch Mov al,3 Mov cx,50 mov dx,65 sheenfm: int 10h dec dx cmp dx,61 inz sheenfm ;----sheen f left----Mov ah,0ch Mov al,3 Mov cx,45 mov dx,65

```
sheenfl:
int 10h
dec dx
cmp dx,61
inz sheenfl
;----sheen daal f -----
Mov ah,0ch
Mov al,3
Mov cx,35
mov dx,71
shdaalf:
int 10h
dec dx
cmp dx,59
inz shdaalf
;-----daal1 f-----
Mov ah,0ch
```

Mov al,3 Mov cx,27 mov dx,60 shdaalf1: int 10h inc cx cmp cx,35inz shdaalf1 ;----daal2 f-----Mov ah,0ch Mov al,3 Mov cx,27 mov dx,71 shdaalf2: int 10h inc cx cmp cx,35 jnz shdaalf2

```
;----Dot for sheen-----
Mov ah,0ch
Mov al,3
Mov cx,47
mov dx,60
dfsh:
int 10h
inc cx
cmp cx,48
inz dfsh
;----Dot for sheen 1----
Mov ah,0ch
Mov al,3
Mov cx,51
mov dx,60
dfsh1:
```

int 10h

```
inc cx
cmp cx,52
inz dfsh1
;----Dot for sheen2----
Mov ah, Och
Mov al,3
Mov cx,49
mov dx,57
dfsh2:
int 10h
inc cx
cmp cx,50
inz dfsh2
;----Dot yaa f-----
Mov ah,0ch
Mov al,3
Mov cx,39
mov dx,70
```

ydf: int 10h inc cx cmp cx,40 jnz ydf ;----Dot yaa1 f-----Mov ah,0ch Mov al,3 Mov cx,42 mov dx,70 ydf1: int 10h inc cx cmp cx,43jnz ydf1 Mov ah,0 ;read keyboard Mov ax,3 ;set text mode

int 10h

mov ah, 4ch ;exit

int 21h

end start

Output:

