



```

inpb          ; reads 1st value i.e. x, which is set
              through logic controller module, value
              will be automatically stored in al
mov bl,al     ; contents of al is copied to bl

printf asky   ; ask y
getchar       ; press any key
inpb          ; reads 1st value i.e. x, which is set
              through logic controller module, value
              will be automatically stored in al

```

```

mul bl      ; the contents of al is multiplied with contents of bl
            Result is stored in AX

```

```

outpa
call delay
mov al,ah
outpa
call delay
exit

```

the result of multiplication is stored in AX reg i.e. AL will be having first 8 bits result, AH – next 8 bits. AL is displayed first on the output module, after some delay, rest 8 bits which are in AH is copied to AL and then displayed on the module.

```

delay proc
mov bx,0ffffh ; do a waste job waste number of times!!!!
outerfor:
    mov cx,0ffffh
    innerfor:
        loop innerfor
        dec bx
        jnz outerfor
    ret

```

```

for (bx = bignumber; bx >= 0; bx --)
{
    for(cx = bignumber; cx >= 0; cx --)
    {
        Do nothing;
    }
}

```

```

delay endp

```

```

end

```

basically, keep decrementing a huge number till zero huge number of times.

By the time, microprocessor does this huge decrements, you can actually see