Parameters:	
- Number of km drive	n [0,800] -> 16 bits (needed=10)
- Duration of the drive	[0,240] - 8 bits
- Number of km/l	[0,30] -> 8 bits (needed = 5)
- Number of de/100k	rm [0, 250] → 8 bits
- Average speed [km/	(har] [0,200] -> 8 bits
- Number of all in th	ne tank (0,3201 - 16 bits (needed = 9)
- Number of drivable k	m with the available feel in the bank [max 800] -> 16 bits (needed = 10)
Tank fully refilled =	32 l = 320 dl (max each 4 bars)
Initialization: tank	full, all parameters equal to 0
	[o] [1] [2]
UPLAT€ BB 3 DUP (?	
	1 — minutes since the last update
	- km driven since the last update
	L dl burned since the last update
User input is	saved within this variable
When the user select '	"ther on update" from the menu, the 3 values are read and put in UPDATE variable.
Needed variables:	
KH_ BEIVEN	W Ø
DENE_DURATION	DB Ø , overall duration in minutes
N-02EP	bw Ø
L. TANK	DB 32 ; liters still in the tank (at the beginning = 32)
AVERAGE SPEED	<u>₽8</u> Ø
DURATION_HOUR	DB Ø
BURATION - MIN	DB Ø
KHLAERLL	b8 Ø 84
N_PER_100KM	28 Ø
DENABLE - KH	pm 🛇

ESEMPLO PER LEGGERE MOMERY A PIO DI MA CITERA	
Example of update (all the 3 values - all, km, m - are read in the same way)	
mov cx, 0 , read the first digit	
mov ab, 1 4	
int 21h	
sub al'o'	
add cl, al	
int 21 h read the second digit	
compare with new line ascii aste.	
je insertkom ; to stop the reading	
$sup \ a\ell, \   \                                $	
mov dl, al	
mov al, 10	
mol dl	
mov cl. al	
add cl, dl	
mov ab, 1	
int 21h read the third digit	
mp al, 13	
je insertkm	
sub al, 'Ø'	×
mod de, al	
mov al, 10	
mul cl	
mov dl, al	
add cl, dl	
mor uppate [O] of ; save deciliters	
mov under the same thing to read kilometers	
ware of same unity	

Each time a new of	abte is inserted, all th	ne variables repre	senting the para	ameters are updo	ated (and also
	ables), so, when the vi				
	are reported for each	item)			
TENS				h line	
DEIVE DIRATION	DB Ø		bles are update blayed by reques		new input is given
07/6-0054 UOV	DW Ø				
L_TANK	08 32	3			
	ACAO ni Jugai sati pari		UPDATE [1] =		
xor ah ah	e overall number of k	an orden:	OPOHIE LII =	RINNIN	
mor al upp	ATE [1]				
add km_DRI	len, ax				
	overall diration (min):		UPDATE[2] = (	00 mmmmmm	
mov al UPI					
add DRIVE - Compute H	ne overall dealiters of	luel:	LOJ STAGON	99999999	
mou al, upi					
xor ab, ab					
add DL_038					
	ne number of liters of maximum precision. Liters		ke ano manto	dead time start	han from the maximum
	the tank (320) and th				
MAX = 320 d					
L_TANK =	ASULID - XAM	_p [16 bits] -		[16 bits] _	AL4-RESULT 1-8 bits
					0 505
mov ax, 320 sub ax, bl					
mov cl, 10					
div cl					
mor L-TANK	, al				

TEN 2			
THE BUCE BEED DB Q			
You have to use KM_DRIVEN and DRIVE D	wearrow vorables.		
Pay attention: drive duration is stored in		onvert minutes in	hours
hours = minutes /60	16 biles Ax		
AVERAGE SPEED = KM_DRIVEN =	FU-DENEN * 60	_ T32 bits]	AX = result
DENE-BURATTON 160	VOTTEGUE_SURGE	[tobits]	
	8 bits (+	obe transfermed in 16	
FOR MAXIMUM PRECISION: FIRST HULTIP			
Average speed can be represented an 8 bit	s so only the content	ed AL is useful.	
	,		G. I.
mov ax, 60			
mov cx, kn- DRIVEN			
mul ex			
mov cl, DENE_BURATION			
xor ch, ch		- 1	
diu cx			
mai Average speed, al			
			St. L.
			- 2
	-		



