```
4 decks of cards: 1-10, J(11), Q(12), k(13)
3 questions -> question correct? YES => TOKEN, NO => nothing
token - draw one card or not
First, draw all the possible I wanted cords
                                                                     (ITER 4)
   BASIC RULE (≥1° year): 6 + sum of points of robs
   ADDENDUM RULE ( > 20 year): J, Q, K - 10 points
                                                                     (ITEM 2)
                                                                     (ITEH 3)
   EXTRA RULE (> 3° year): ACE -> 14 (insead of 1)
                                                                     (ITEH 4)
   SUPER RUE (4° and 5° years): choise:
                                  * pointsof Cards + 6
                               OR * 52 - points Of Cards
DECKS DB 4+52 DUP(?)
                                     input array (initialized within the code)
  L-D Entry: XXSSVVVV
                        Lo V = value of the card [1-13]
                    L = S = SUIT (ØØ = SPADES, Ø1 = HEARTHS, 1Ø = DIAMONDS, 11 = CWBS)
                   -> NOT USED (00)
                      ; number of students evaluated (to dieck max = 30)
STUDENTS AB ?
                     , # tokens owned by the current student
TOKENS AB ?
SENTORITY DB?; attendance year of the current student
VOTE DB ?
                      ; final vote of the current student
CARAS AB 3 DUP(O)
                      ; value of the cords of the current student
```

1.	ASK FOR #TOKENS -> STORE IN "TOKENS" Variable
2.	ASK FOR ATTEMPLACE YEAR -> STORE IN "SENIORITY" Variable
3,	DRAW CARDS:
	a. show card (value and suit)
	b. store value in CARDS [SI] , SI incremented from \$ to 2
	C. other available tokens?
	YES -> d., NO -> 4. compute vote
	d. ask if the student wants to draw a new card
	YES - 3, NO - 4, compute vote
4.	COMPUTE VOTE
	a. if seniority = 1 -> g. compute Basic
	b. ask for ADDENDUM RUCE
	Lo YES-o call addendum Ruleltoc, NO-o C.
	C. if SENIORITY ≥ 3 -pd.ask for EXTRA RULE
	otherwise - g. compute Basic
	d. ask for EXTRA RURE
	Lo YES -o call extrabuleProc, No→ e.
	e. if SENIORITY > 4 -D f. ask for SUPER RULE
	otherwise compute Basic
	f. Select [1] 6+ points of cards => g. compute Basic
	[2] 52 - points of cords => h. compute super
	9. COMPUTE BASIC:
	- sum points of drawn cards + 6
	- jmp 5. SHOW VOTE
	b. COMPUTE SUPER:
	- 52 - points of drawn cards
	jmp 5.show hore

	b. i				=> ask	`	xt stude	ent			
										-	
	of Decks		b .								
00111101 (k cwss)						00101011 (J DIAMONDS)					
00	000010	00	(4 SPADE	5)	0	00000	100	(1 SPAD	€\$)		
00	11110	00 (	Q cws	s)	0	01000	100	(1 DIAM	· (zanc		
00	01001	10 (	2 HEAR	(an	0 (	00010	000	(8 SPADE	€S)		
00	01110	) 1	K HEART	(ZHT							
xample	of execut	ion of	the proc	jcom:							
TOKENS	SENICEIT	OMP	CARD 1	CARD 2	CARD 3	ADDENOUN	EXTRA	SUPER	YOTE .		
3	1		Kowas			×	×	×	23		
3	2	No	Q cwas	2 HEARTHS	KHEARTHS	YES	X	×	28		
2	3		JOIAH.			YES	YES	×	30		
2	4		1 DIAH.			NO	YES	SUBTRACT	30		
	1	1 100	I DITTLE	34 54 54 54							
		1-1-1-									
2											

. Procedure to apply the ADDENDUM rule	Н
PUSH BP	H
401 3P, SP	
; push all used registers (Ax, Cx, SI)	
Mov Si, [BP+4]; base address of CARDS array	
MON CX, 3	
MON AL, 10	
resireTen:	
CHP [SI], AL ; if value ≤ 10 = D do nothing	
JUE Next Card Ten	
MOV [SI], AL ; otherwise set it to 10	
next Condition:	
add 51, 1	
loop resiteten	
; pop all used registers -> end of procedure	
, Procedure to apply EXTRA rule	
· ROSH BP	
MOV 87, 52	
; push all used registers (AX, CX, SI)	
HOU SI, CEPTUI	
MOV CX, 3	
100 AL, 14	
resizeOne:	
MOV AH, 1	
CMP CSIJ, AH	
THE next Card One ; if value != 1 => do nothing.	
MOV [SI], AL , otherwise set it to 14	
next Cardone:	
ADD SI, 1	
icop resiteOne	
, bob all used redisters -> and of brocedure	