

So far, we've lived in a world without much structure...



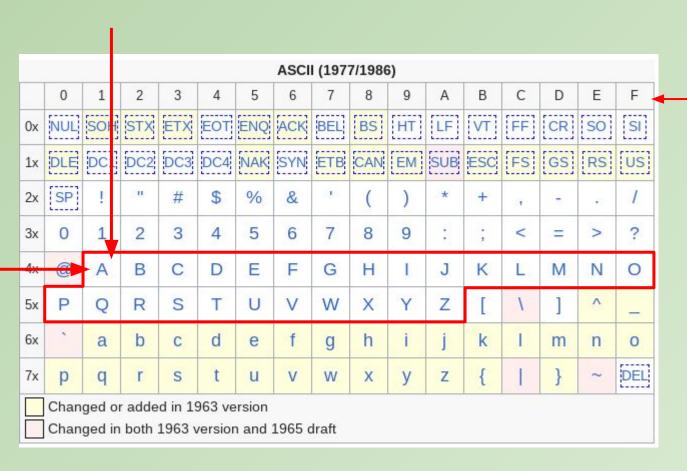
What? And why?

Reconsider...

A previous program

				_
1	901	40	350	
2	705	41	551	
3	640	42	150	
4	801	43	351	
5	551	44	598	
6	902	45	199	
7	000	46	347	
		51	000	
		98	600	





A = 10 B = 11 C = 12 D = 13 E = 14

15

Write a program to translate the following...

This is your program's input:

04×8	04xC
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04×5



We have to make choices.

How do we represent...





What do we need?

Some subroutines...

- Decide how to decode input
- Decide how to translate the input to integer form
- Decide how to store and retrieve later numbers/letters.



Now implement a subroutine we'll call toLower, and lowercase the message.



Clock cycles

Complexity per instruction in our LPC ISA

1XX	3
2XX	3
ЗХХ	1
4LR	1 PER SHIFT
5XX	2
6XX	2
7XX	2
8XX	2
901	1
902	2
000	0

