Add two numbers

2002 (1) Accept 1st A > One single instruction (2) Decode (3) Execute.

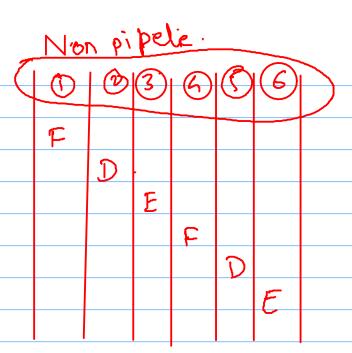
2003 D Accept 2nd B -> "

2004 (3) Add AtB >C =>

2005 (3) Output C

PC -> Addr. of next Instruction
CIR -> 2002
MAR -> Memory Add. Reg.
AC -> Accumulator.
MDR -> Memory data Reg ->

	A CONTRACTOR OF THE CONTRACTOR
Address bus -> Ao - A7	1- Bit
	2-81+
Unidirectional	4 - Bit -> nibble
	3-Bit -> 1 byte 16-Bit -> 2 bytes -> 1 word 32-Bit -> 4 bytes -> 2 words
Data bus -> Do- D7	(16) Bit -> 2 bytes -> 1 wood
	32 - Bit -> 4 bytes -> 2 words
Birectional	
Control bus -> RD, wR	
RD, WR	
MEMR, IOR	
memw / IOW	



Data bus >> 3 bit >> 28 = 256 = 11111111 D_0 D_1 D_2 D_3 D_4 D_5 D_6 D_7 lower dat bus Higher douba bus Address bust 16 bit , 216 = 65536 = 64 KB Ao A1 - - - - - A7 A8 A9 - - - - - A15 lower Ander Higher order. Small Endian Big Endian lower-high high - lower

