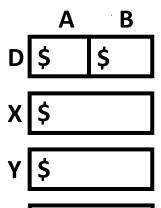
Homework 6: Solution Approach

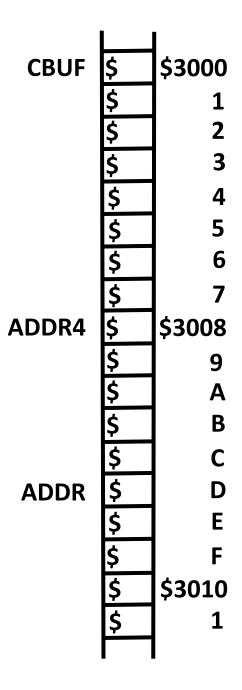
1. Getting a number from keyboard (keyboard input, numbers)

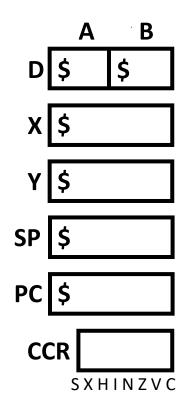
2. Printing a number on terminal window (convert each digit to ASCII characters)

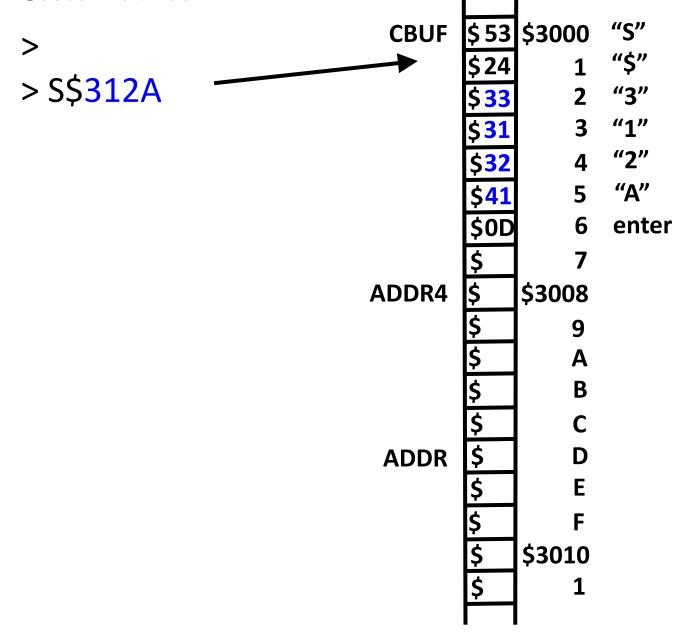


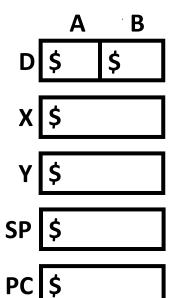


>		
>	S\$ <mark>31</mark>	L2A





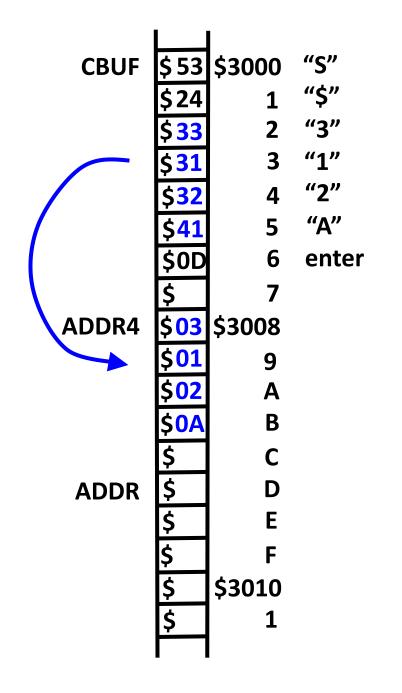


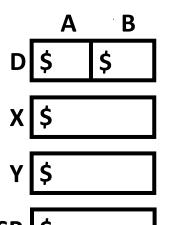


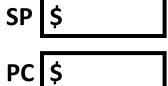
SXHINZVC

CCR

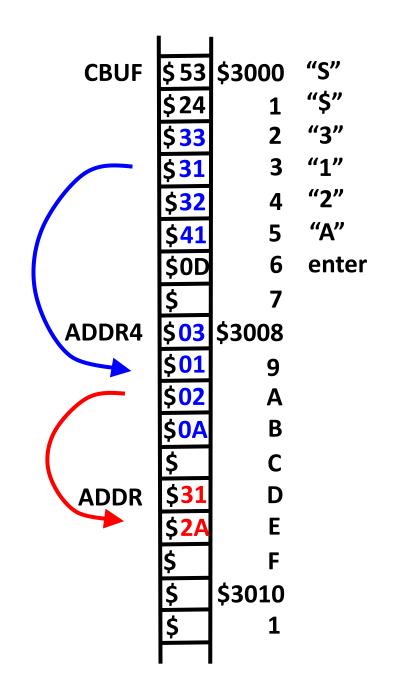
> > \$\$312A

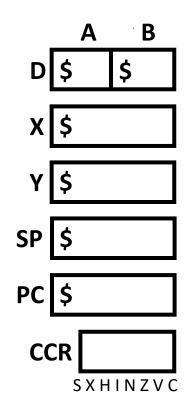




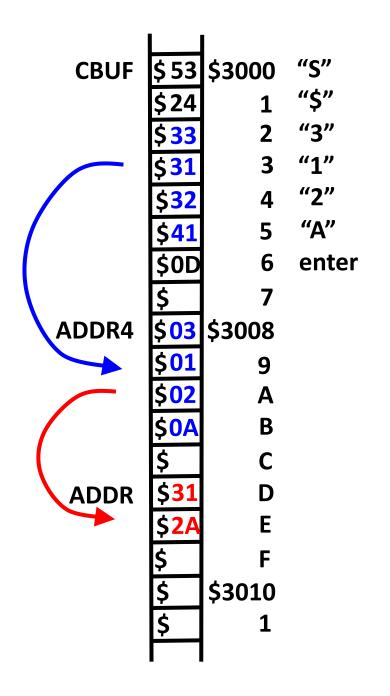


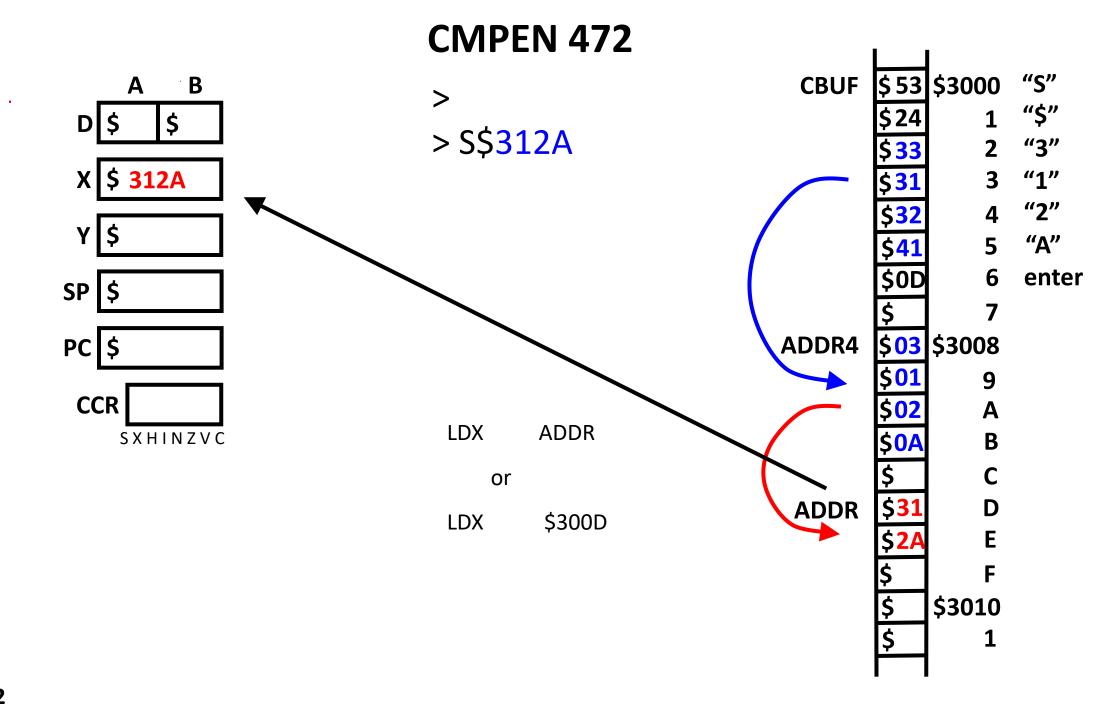








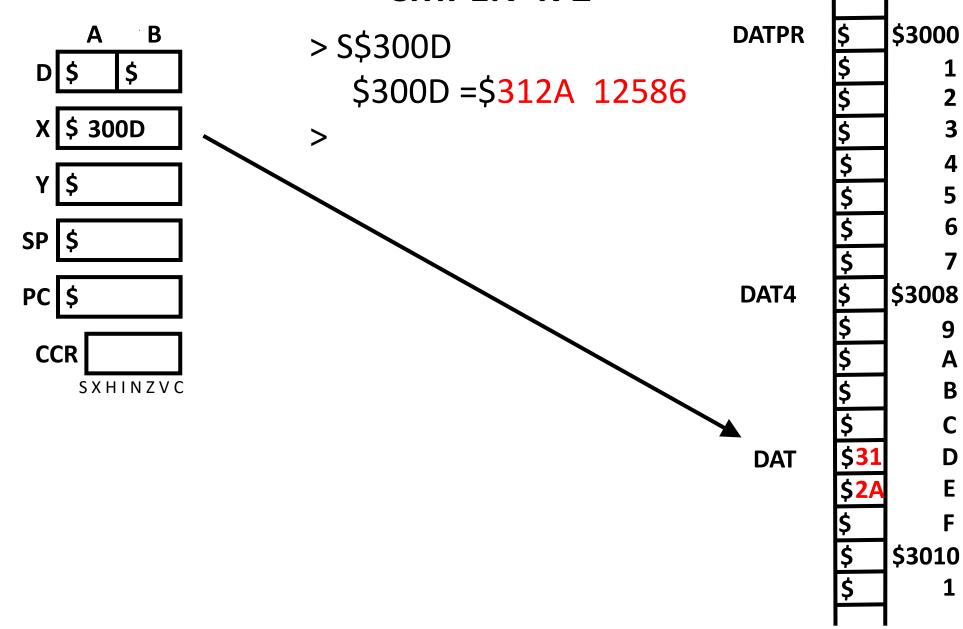


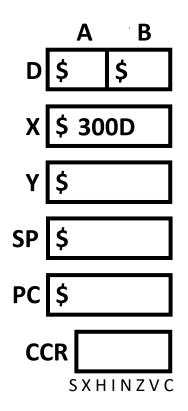


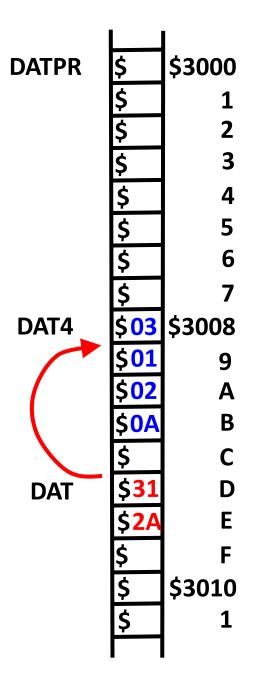
Homework 6: Solution Approach

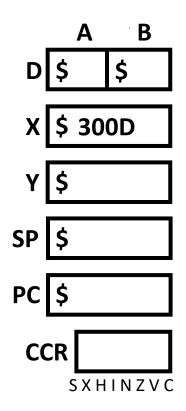
1. Getting a number from keyboard (keyboard input, numbers)

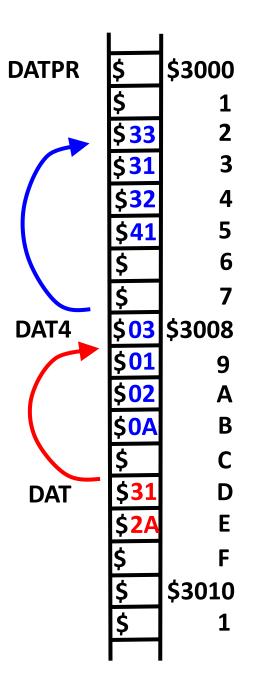
2. Printing a number on terminal window (convert each digit to ASCII characters)

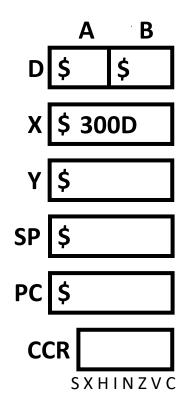


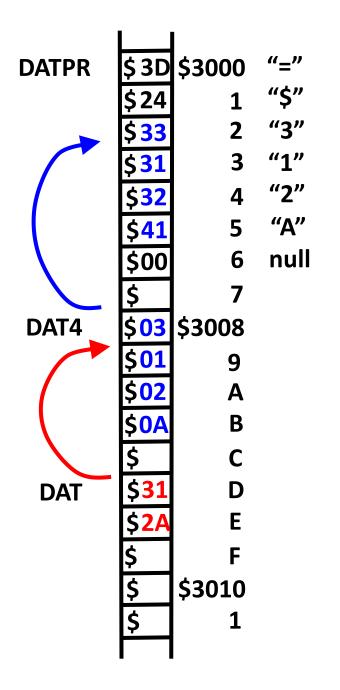


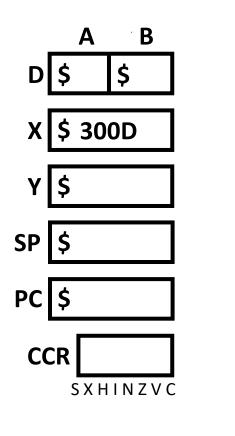


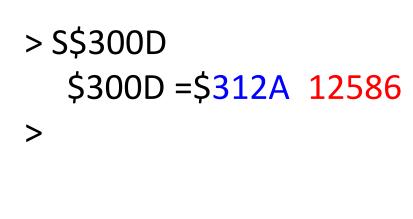


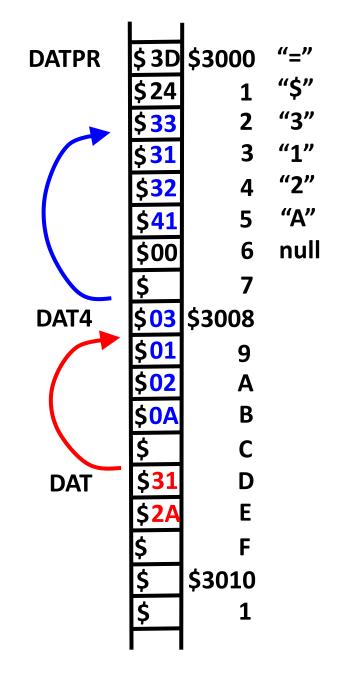












ASCII Table and Description

ASCII stands for American Standard Code for Information Interchange. Computers can only understand numbers, so an ASCII code is the numerical representation of a character such as 'a' or '@' or an action of some sort. ASCII was developed a long time ago and now the non-printing characters are rarely used for their original purpose. Below is the ASCII character table and this includes descriptions of the first 32 non-printing characters. ASCII was actually designed for use with teletypes and so the descriptions are somewhat obscure. If someone says they want your CV however in ASCII format, all this means is they want 'plain' text with no formatting such as tabs, bold or underscoring - the raw format that any computer can understand. This is usually so they can easily import the file into their own applications without issues. Notepad.exe creates ASCII text, or in MS Word you can save a file as 'text only'

Dec	Нх	Oct	Cha	r	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html	Chr	Dec	Нх	Oct	Html Cl	<u>hr</u>
0	0	000	NUL	(null)	32	20	040	@#32;	Space	64	40	100	۵#64;	0	96	60	140	4#96;	8
1	1	001	SOH	(start of heading)	33	21	041	@#33;	!	65	41	101	A ;	A	97	61	141	a#97;	a
2	2	002	STX	(start of text)	34	22	042	@#3 4 ;	**	66	42	102	B	В	98	62	142	498; a#98	b
3	3	003	ETX	(end of text)				#					a#67;					6#99;	
4	4	004	EOT	(end of transmission)				\$					4#68;					d	
5				(enquiry)				a#37;					E					e	
6				(acknowledge)				&		70			a#70;					f	
7				(bell)	39			'		71			a#71;					g	
8		010		(backspace)	40			a#40;		72			a#72;					a#104;	
9				(horizontal tab)				a#41;		73			a#73;					i	
10		012		(NL line feed, new line)				6#42;					a#74;					j	
11		013		(vertical tab)				a#43;					a#75;					a#107;	
12		014		(NP form feed, new page)				a#44;					a#76;					l	
13		015		(carriage return)				a#45;		77			6#77;					m	
14		016		(shift out)				a#46;		78			a#78;					n	
15		017		(shift in)				a#47;	-				a#79;					o	
			DLE	(data link escape)				a#48;					P					p	
			DC1		49			a#49;					Q					q	
				(device control 2)				6#50;					6#82;					a#114;	
				(device control 3)				6#51;					S ;					s	
				(device control 4)				6#52;					a#84;					t	
				(negative acknowledge)				a#53;					U					u	
				(synchronous idle)				 4 ;					V					v	
		027		(end of trans. block)				6#55;		87			W					w	
				(cancel)				8					X					x	
		031		(end of medium)				6#57;		l .			۵#89;					y	
		032		(substitute)				6#58;					Z					6#122;	
		033		(escape)				6#59;	-				[-	123			{	
		034		(file separator)				<					6#92;						
		035		(group separator)				=		93			6#93;	_				}	
		036		(record separator)				>					a#94;					~	
31	1F	037	US	(unit separator)	63	3F	077	?	?	95	5F	137	<u>@</u> #95;	-	127	7F	177		DEL

Source: www.asciitable.com

