												Pro	910	<u>um</u> r	nin	g																
Imperco	tive																F	ับก	c t	مز	na	1										
Program		zueno	e	οf) د	mmc	and	s/i	nStr	uct	i on s	5											γm	me	tric	. (a=	b i	ff	b=0	2)	
	= a												1														&0					
								J									(5													- ر	tha	x
x = 0	D;				—	X	is	a	V	wic	ble								3	2	is	t	he	ler	nd'.	1.	t's	a	ca	non	ical	(
	, 2(X €		Jo																1	alı	Je,	a	kno	วพก	Va	lue						
)= X+																										ical	Va	lue			
	int("		')																					n Plit								
																	Es	Cay	npl	e :	Fo											
If one	wond	les	W	ha	ŧ.	\propto	i5		Sne		169	. +	0					ر ر	,													
Know																	fc	ıc	n =	n	# -	fac	(n	-1)								
1,1,0,0	000			-11															ľ													
<u>Jaths</u>	(105	vic.)																														
1. Let :			e r	10	o l	C) D	ه ماه	: =	<u> </u>	2=	3	=>	<u>ب</u>	5																		
X	15 11	nkno)(.)	n		-\-	F1C.																									
2. 5=10	5 t ²																															
	ehole	105																														
1700																																
Exam	Ole	- ()[2 F																													
Typical					201	rall																										
	card							1-	120		Dm.	\																				
	es in										* 111,																					
Dring	Salc	10	. 0	(10	1 -	EL, 2 ^	71111	1,0	109																							
		ury 1	II+O			ال	U .	KP	YM Z																							
	œρ:	COC			1.																											
)		1	C.				DI	1	1/	PR																
		100		25	111+	€,			<u> </u>	DK				, -	1 _		/															
	4	rint																														
This		loual			- 10			.,		, ,,,	1								11				Τ.		2	11.	1.	1.				
This is	364	Jern	,iai	. (יע	K	W	AIC.	-0	wn	IIE	Pr	2	SSI	ng 1	Pri	ltırı	9	HO	U	0	Spe	ed	U) <u>:</u>	HO	W_	C		Je	J.	t
Chetri (ll t		(U)	K		Œ	th	6		yne	t	am∈	21.7																			
10	_ , ,	()-				- 0	()										. []	- 1	1_		-	+										
f they	au) F K	ed T	20	た	-th		Say	ne	7	aci	2 ·	thi		000	V.Iq	n t		e T	Z	JC.N	10	.n	155	Ue	-					
CDR-	7 (1	10 F	7	† >	K	/	<u> </u>	U K 2	-		1	Ψ-	-> [X	Κ,		-レ 3	K-	-) (Tt	10		`L	1	-							
	1	1																		1												
But a	phylou	JSIY	th	niS	15	n t	t	ne	Ca	se																						
. ()											1						_					,		0			0	_				
	Said t					υo	u te	٠,	טט	t (100	2.5	CC	ud	S	ω_{c}	nt:)	2	Slic	les	, L	ecti	ore	٤.	b	k U	RE		
- A.	ctive									0	2																					H
	Whe																															
	DR,	L+	K.	C_{1}	Λd		7	J C	ic t	<u> </u>	Ec	ict		nas	P	rivo	te	m	em	ory												
11	ney S	hare	in	fo:	ho	w	(
(66	2												_									1										
	Put	3 C	ont	en	ts	in	Sh	are	ed	me	MOV	y. 1	5y	iŋ	ten	rup	tS	th	e	C	PC	K	(no	ws	t	nat	CC	in te	ent'	s h	w	
arriv	led.																				-											
					_						<u></u>																					
CI					\subset	71	J				PR				h	le_	nee	4 t	min	gs.												
lo	OP				l)				J	200	p_																				
		ard					= f() JPC1				1				1	1			1								

1	20, 3 3 , 2	unch c	of kids															
sw to t	And the ta	llest	kid:		indida]:										
				2) To	umam	ent		2: r	n, n :	m if	m:	∍n	90	varded	Che	mica	1 equ	ation
w to	sort th	em:		1) B	ubble	.nish		ı) (i,	h,),	(j,	h _i)	→ (i	, hj)	, (j),	hi)	if	h _j > 1	ni
ta rule:	s. M,n = n, f an :		sion is	ena	bled,	it M	NUSE 6	ovent	vall,	y ru	n «	and	دن	mple	te.			
)bservi	ations																	
oncum	rency is s	simpler		on't he re	need al u	expli Iorld i	cit o s no	rderin t Se	g :90e	ntia	1							
ancun	rency is	harder	-: M	any F	Paths	of cor	mputo	uron	()	oan k	e.	xamp	le)					
				Canno	ot de	bug	Since	it's	s nc	A	det	:Umini	Stic	., Prc	ofs.	are	nced	€ \$.
me, cc	oncurrency,	commu	Mi cousor	are	issue	2.5.												
rmino "Prod	1097 cess" is (C 56	ory. A	seque	ntial	Com	1Pone.	nt t	hax	mas	in	terac	ŧ c	ir co	тимо	nica	te	W/
ther T	processes																	7
conc	vrent "f	rogra	um is	a B	16 5	tery	lt's	bui	lt ou	it G	P (compo	nent	pro	ocess	es,		
he co	mponews		in pote	ntiall	y rur	in :	Paral	lel,	or n	nay	be	inter	lea	ved	on	0 5	ingle	CPU.