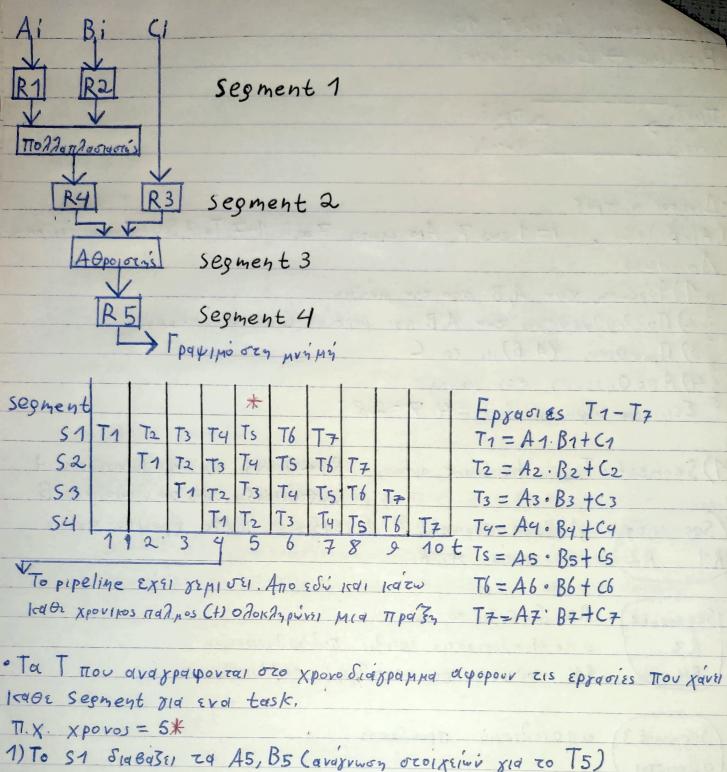
1 12 12	
APXIZEKZOVIKY DIGAES, 13	
Pipeline > Diasunivuon	The state of the s
· · · · · · · · · · · · · · · · · · ·	
TIpaisin > Tipaisin	The second second
TIpai 3 > Tipai 3 i  Evzodi  Evzodi	
	V 919
· Diverdi y Mpass	189 183
(Ai. Bi)+Ci, i=1 EWS 7 April Exouns 7 tasks 1-7. Tal A,	B, C BONDEREN ORY MV
DOUPELES	(karajana A)
M1) Popewon zwv A, B and zov przymy	
\$2) Mondondasido pos zur A, B kai poperon Cano zur pur	'h 142
13) 17 C	
3) Προσθεση (A·B) με το C 34) Αποθημευση σεν μνήμη  Σεμνημή: Segments, task = 4:7 = 28	
Elpiaka: Segments. tosks = 4.7=28	Tarana a
Zeipiaka, segments, tosks - 4.7 - 208	CALATINO
1) C. I. T. I I ' DAL Supitor - in	C. 1. 17 17 17 1
1) Segment: Tunina hardware autorono R1 + Siabassi zinis	TOU SIGNISHATOS AT
Rat Sid Bassi zipis	
Segment Andasi segment 1 Siabasii or kaor, R1 R2) 2 zipis Ai, Bi	xpovino Traduo
R1 R2) 2 ZIMES AI, BI	
The state of the s	ार वाक्टीकार स्था।
(Segment2) R3 Sig Ba 31, 70 Ci	The course of the
R3 O MODADATT AUGIGOTES ERTEASI MODADATT AUGIGO HOUS	
R4 R4 UNOSEXETAL TO ANOTE DESPEN TO A DATE DASIGE	HOU
	de Seenent in
(Segment 3) all ore heard provocons	y system &
(d@po15745)	To long decision
R5	in the state
	and the same of the same

Segment 4) ETTIOTPOPI ATTOTE ASSESSED OTEN MUNIMA



2) To S2 UTIO 2001 SEI A4, B4 ICAI SIABAJE, C4

3) To S3 TIPOS DECE, CA A3. B3 + C3

4) To S4 X prigel To apport A2. B2 + C2

DEPUPOUNE OTI OI X prival ZOV TENAI ISA (auto Sev 10XÚEI)

Ti 2 i 0 os task + Ti 2 i 0 os segment - 1 = t 7 + 4 - 1 = 10 6 os task + Ti 2 i 0 os segment - 1 = t

Speedup = Xpovos Pipeline - 10

Xpovos me osipidin Estrílion 28

· Δίνονται 10 αριθμοί Αι και 10 αριθμούς Βι Ικίνητης υποδιαστολής ικαι θελουπε να εκτελεσουμε τις πραβείς (1 = AI = BI

1) Na opiorer segments (1727 pos/hardware)

2) Na Seizere zo Sidypanna xpovionoù

3) Na Bp size to Speed 4p

1) Avayonon zur Aj, Bi R1, R2

2) Eugkpion Ekorzin ougkprzis, R3 (anobikiusi to anotifica zis ougkproms)

O ar of ekorzin flagin Adpoistas kuklopa oliobrons nou nposocizel

Klaspaziou pepous (oliobron)

4) Tros Oson Klasmazikuv

5) Kavo VIKOROINEN ano 78 865 paros (Ex01773 = 2101775 +1) appoisings

6) Anobyrevon - R4

7) Spanino ors hazins

														1		1	
T1-T10	17 51	Ta	172	T3	T4	Ts	T6	T7	78	19	T10						
51-57	52		TI	T2	T3	14	Ts	T6	TZ	Tg	79	T10					
10 + 7-1 = 16	53			Ta	Tz	T3	TY	Ts	76	17	T8	To	T10				
Speed 4p = 16 5	4 54				To	Tz	T3	74	Ts	76	T7	T8	Ta	110			
70	55					Ta	T2	T3	T4	Ts	76	T7	T8	Ta	Tio		
	56											T6		Ts	19	T10	
	S7							71	T2			Ts					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Api Omnziko Pipeline (Pipeline Avithmetic) Instruction Pipeline

Avakanon S1: TIPOSKUMISÝ EVEDÁÝS To: MAR + PC, Z + PC+1 T1: MDR + MEMAR], PC = Z 52: Anorw Sirononzy T2: IR + MDR [OPCODE] · STA T3. MDR + ACC S1: EKEEDEGY EVES CPU TH: MEMAR] + MDR SH: Expraps alloTERESpares our MYMM · ADD (TIPOSOEZW TO ACC OTA TEPIEXOPERA EN DEONS MUNIMUS A) T3: MAR & MDR [Advess] TIPOSKOMISY dTO ZYV MYZHY TY: MDR & M [MAR] Mpd 3 EU EV TOS CPU Ts: Z + A CC+ MDR TO MOR < Z T7: M[MAR] - MDR ATTOOJAGUOY OEY MUZAY 1) Avomologivily Evzoluin 2) ENTO ASS EKTE HOUNTAI OSIPIAKA Z < PC+1 Av oumbri perabdon or portive core to zprima TIPOSFOMIONS ENZODY'S TIPETIES NO OTHER TYPES, DEN SEPAN TION DA TIDES TO TROS PAHA 3) Av za anozedechaza Mico Entodis XDISIMONOIOUNIAI OTTV ETTOMENT Zo Pipeline Tipitisi va raduozipisi mixpi va Tiapaxouv za anozidishara