

PATP – internal organisation

CS132 T6L1H3

CU inputs	
Opcode	
C _{CU}	
Z	
CU outputs	
	C _{MAR}
E _{MS}	
E _{IR}	C _{IR}
E _{PC}	C _{PC}
E _{D0}	C _{D0}
E _{ALUreg}	C _{ALUreg}
F ₁	
F ₂	
R	
W	

Opcode	Mnemonic
000	CLEAR
001	INC1
010	ADD# v
011	DEC1
100	JMP loc
101	BUZ loc (or BNZ, BZC, BNE)
110	LOAD loc
111	STORE loc

F ₁	F ₂	F(P,Q)
0	0	Zero
0	1	Q+1
1	0	Q+P
1	1	Q-1

