	Sdwnr
	perand Instructions and Conditional Jump
	s and co
	struction
	i Operand In
7	
-	g mode KIL I
	Addressing Mode KIL 10
	Addres

MO 0 = None 1 = IF 2 = Offset 3 = SP--0 0 7 0 0 1037103703 0 0 0 0 0 -0 3 0 7 0 3 0 7 0 3 0 ₹ -00-00-00 0 - 0 0 0 - 0 0 0 - 0 0 0 0 - 0 0 0 - 0 00000 Ä 0 0 0 0 0 0 0 00000-000 0 0 0 0 0 0 0 0 0 0 00000 0 0 ŭ --000-00 - 0 ndirect 0 - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 7 0 0 0 0 0 0 - 0 0 0 0 dst Latch - 0 --00--00 -00-00--00 -000+000+000 00000 dstM
0 = R[dst]
1 = Branch
2 = dataFwd
3 = MDB 0 src Latch - 0 0000000 000000000 0 - 0 0 0 - 0 0 0 - 0 0 - 0 - 0 0 srcM 0 = R[src] 1 = PC 2 = dataFwd 3 = MDB Address Latch 0 - 0 0 - - 0 0 -00-00--00 0 - 0 0 0 - 0 - 0 0 0 00000 0 0 AddressMux
0 = MDB
1 = SP-2
2 = Address
3 = R[dst] 0 1 1 0 0 1 1 1 - 1 1 1 - 1 1 0 1 - 1 1 dst <- M[R[dst]+Address], Adr <- Sp-2 dst <- M[R[dst]], Adr <- SP-2 dst <- M[Rdst], Adr <- R[dst] dst <- R[dst], ADR <- Offset dst <- MDB, Adr <- Address dst. <- R[dst], Adr <- SP-2 None (MDB <- FU = dst) dst <- R[dst], Adr <- Offset dst <- R[dst], Adr <- Offset None (MDB <- FU = dst) None (MDB <- FU = dst) src <- M[SP], resA <- SR src <- M[SP], resA <- PC src <- PC, dst <- Branch None (MDB <- FU = src) None (MDB <- FU = src) None (MDB <- FU = src) src <- PC, Adr <- SP-2 src <- PC, Adr <- SP-2 src <- PC, Adr <- SP-2 dst <- M[R[dst] + Adr] None (MDB <- FU) None (MDB <- FU) Instruction Fetch Instruction Fetch Instruction Fetch Instruction Fetch dst <- M[R[dst]] Instruction Fetch Instruction Fetch Instruction Fetch Zachary Bonneau | Texas Tech University | Spring 2024 | Rev. 1.0 dst <- R[dst] 됚 CIk Count Clk Count CIk Count Clk Count CIk Count 7 က 4 က 3 4 4 4 2 2 @Rm @Rm+ PUSH @Rm #N #N @Rm #N Jumps x(Rm) EDE &EDE x(Rm) EDE &EDE x(Rm) EDE &EDE RET RET 몺 Call š Dst Rm 盎