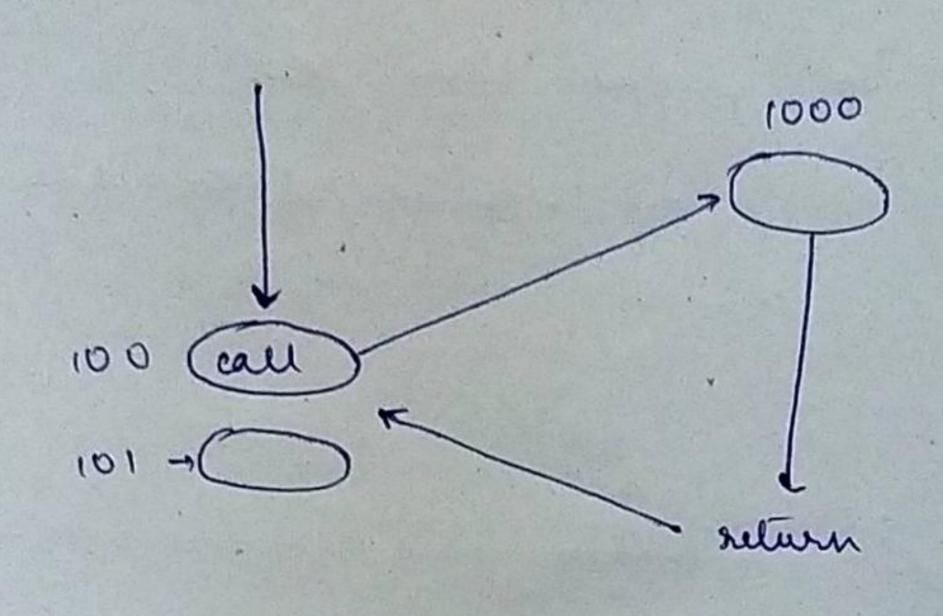
EXAMPLES ON FLACIS After comparing two values the program status word et in flag values to identify various properties of the result N=0, Z=0, S=1 (A(B) for agred, V=0, Z=0, S=0. (A>B) V= 0, Z=1 (A = B) Pot uneigned, Z=0, C=1 (A>B) 7=0, C=0. (A LB) Z=1 (A=B) CONDITIONAL BRANCHES UNSIGNED 1) BZ - Branch if zero 1) BHI - Branch & higher 2) BNZ - Branch 4 not zero 2) BHE - BY >= 3) BC -> Branch 4 carry 3) BLO - A CB 4) BNC - Branch if no carry 4) BLOC - A & B. 5) BP - Branch 4 postetive (S=0) 5) BE - A = B 6) BNE - A!= 3. 6) BM - Branch of minus (5=1) SIGNED BV - Branch 4 overflow (V=1) BUT - A >B 8) BNV -> (v=0) 2) BGR -> A>B 3) BLT - A < B 4) BLE - A & B BR - B () BNE - A! = B

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when location 100 gets
enecuted, PC is 101, we
need to dange be to 1000
and to keep 101 safe
ii, copy 101 to register.
iii) store in subscoutine.
iii) store in subscoutine.
iii) store in subscoutine.
iii) store in subscoutine.

INTERRUPTS

when an unempected entimal event causes to an interrupt of interrupt subsortine. Interrupt of interrupt subsortine.

This subsortine is called in crisis estruction.

SUB ROUTINE"	INTERRUPT
a) Transfer of control des initiated	ajet les initiated because of a
by call Instruction.	cignal generated
	for External (IO, Timer devices, Power Supply)
	- Interenal (divide by o, register overfloor
	protecture violet)
	Les esperance interrupt (explana call)
b) PC to samed on the stack	b) Pe, PCW, PR
c) Effective oddress stored in PC.	c) EA determined by the
	hardware according to to type of intere

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CISC (complex hubruselon set computer) (neduced hustruction ser computes) CISC RISC a) kelatively few instructions a) large no. of hultuctions 5) Relatively few addressing modes. b) some special task Instructions e) Momory access so limited to load are used infrequently. and store Instructions. e) lægt no. of addressing modes d) ru operations are done within d) variable lengter huttruction reglaters of CPU. e) singer eyele bustruellon execution. formats e) Instruction that manifulate 1) Fined lungter, early disaded operande in memotry histruction format. 9) Hardwired rather than mbroprogrammed control.