Best resource



https://youtube.com/ playlist? list=PLeFoe3FAv19dfN DjiUeJ6sD91vzPRqbch &si=tua0KsY7DUeApF YK



(only 32-lit)
Nemory -> Register -> operations

(Instarts (Immediales)

Exceptial instructions:

SO-SII: Registors

to-tb: Temps

Zero : constant D

va : And address

Assembly code

Arthimetro

much
$$S0, S1, S2$$
 $S0 = S1 \times S2$ (But only the upper 32-bit) much $S0, S1, S2$ $S0 = S1 \times S2$ (Only the lower 32-diet)

SO = 81/82 (Quotient) div SO, SI, S2 So=SI / S2 (Reminder) So, S1, S2

Loading / Stoung

Id: lead double J 64-lits

lw: load word 32-lits sd: Store word

Sh Store Lyte

Pande both decimal & here

rog/stemp dd

Destination.

offset (Jase) Value

reg/temp Value

offset (dass) Destination

Example foroblem

A[7]=A[10]+A[22]+A[13]

ld So, 80 (×21)

ld SI, 176 (x22)

ld S2, 104 (X23)

add to, 50,51

add to, to, S2

1d 10, 56(x20)