Id: 1720126

Q.2: $x[i] = z + x[i+3] + w$

$x[26] = z + x[26+3] + w$

$\therefore x[26] = z + x[29] + w$

Let, base of
$x = s_0$
$z = s_1$
$w = s_2$

Now, 1. lw t_0, 116(s_0)

2. Add t_0, s_1, t_0

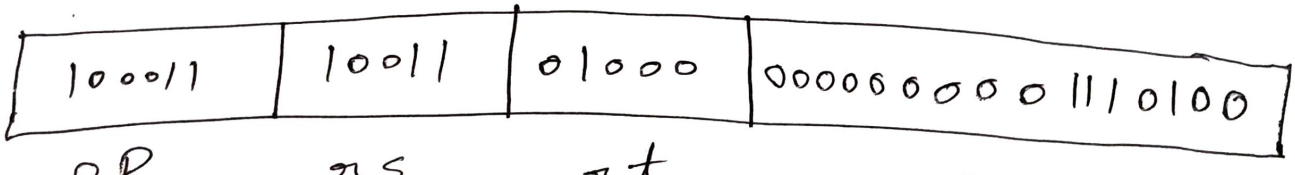
3. Add t_0, s_2, t_0

4. Sw t_0, 104(s_0)

MIPS for serial 1 :

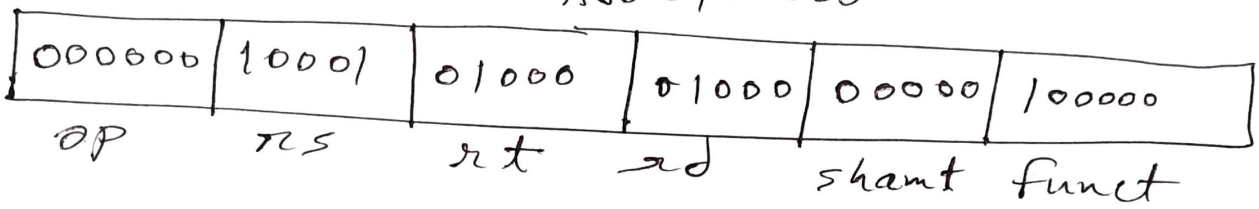
I-type, let, op for lw = 100011

$s_0 = 10011$ $t_0 = 01000$

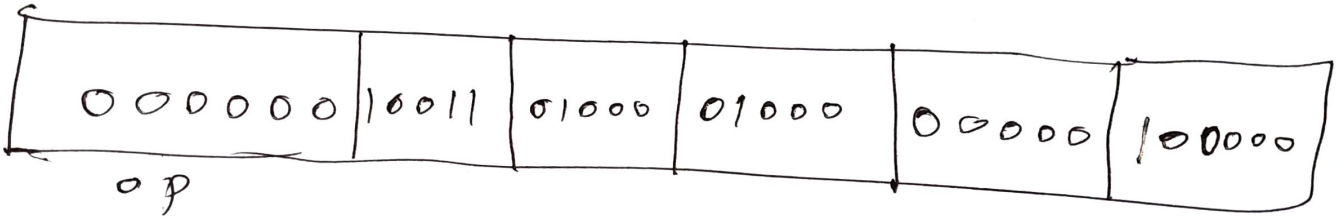


MIPS for 2: R-type, let $S_1 = 10001$

Add = 100000



3: Let, sub = 001000, $S_2 = 10011$



4: I-type: let sw = 100111