

```
int main(){
    1.int p = 3014;
    2.int c = 19223;

    3.d[150];
    4.d[22] = 32 + p;
    5.d[15] = 18332;

    6.return p + c + d[22]
}
```

1. Asignar registros a las variables

```
p = %L0
c = %L1
d[150] = %L2
d[22] = %L4
```

2. Hacer código SPARKV8

1. or %g0, 3014, %L0
- 2.

0000000000000000010010	1100010111
18	791

```
Sethi 18,    %L1
Or   %L1, 791, %L1
4. add %L0, 32, %L0
    St %L0, [%L2 + (22*4)]
```

5.

0000000000000000010001	1110011100
17	924

```

Sethi 17,    %L3
Or    %L3, 924, %L3
6. add %L0, %L1, %L0
    Ld [%L2 + (22*4)],    %L4
    Add %L0, %L4, %O0

```

3. Pasar a lenguaje de maquina (1,0)

1.Or

10	10000	000010	00000	1	0101111000110
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2.Sethi

00	10001	100	00000000000000000010010
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Or

10	10001	000010	10001	1	0101111000110
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4. Add

10	10000	000000	10000	1	0000000100000
----	-------	--------	-------	---	---------------

St

11	10000	000100	10010	1	0000001011000
----	-------	--------	-------	---	---------------

5.Sethi

00	10011	100	0000000000000000000010001
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Or

10	10011	000010	10011	1	0001110011100
----	-------	--------	-------	---	---------------

6.Add

10	10000	000000	10000	0	00000000	10001
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Ld

11	10100	000000	10010	1	0000001011000
----	-------	--------	-------	---	---------------

Add

10	01000	000000	10000	0	00000000	10100
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4. Cogido Hexadecimal

1.0XA0102BC6

2.0X23000012

0XA2146B06

4.0XA0032020

0XE024A058

5.0X27000011

0XA614E39C

6.0XA0040011

0XE804A058

0X90040014