

Machine Language Example

Decode this sequence of instructions:

0x00001025
 0x0005402A
 0x11000003
 0x00441020
 0x20A5FFFF
 0x08100001

```

000000  00000 00000 00010 00000 100101
000000  00000 00101 01000 00000 101010
000100  01000 00000 00000 00000 000011
000000  00010 00100 00010 00000 100000
001000  00101 00101 11111 11111 111111
000010  00000 10000 00000 00000 000001
    
```

Format:

R	0	0	0	2	0	37
R	0	0	5	8	0	42
I	4	8	0	+3		
R	0	2	4	2	0	32
I	8	5	5	-1		
J	2	1,048,577				

R	0	rs	rt	rd	shamt	funct
I	1, 4-62	rs	rt	immediate		
J	2 or 3	target address				