

4-)

a-)

Funciones Min RISC-V y Min modifica valores innecesariamente.

EAX, EAX2 Son variables temporales

CPU 0

```
0  ADD  EAX, Arr[0]
1  ADD  EAX, X
2  MOV  Arr[1], EAX
3  MOV  EAX, X
4  SUB  EAX, Arr[1]
5  MOV  X, EAX
```

CPU 1

```
MOV  EAX2, Arr[1]
SUB  EAX2, Arr[0]
MOV  X, EAX2
MOV  EAX2, X
ADD  EAX2, Arr[1]
MOV  Arr[0], EAX2
```

b-)

Inst	P0												P1											
	X				Arr[0]				Arr[1]				X				Arr[0]				Arr[1]			
	M	E	S	I	M	E	S	I	M	E	S	I	M	E	S	I	M	E	S	I	M	E	S	I
<0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1
0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0
1	0	1	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0
2	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	1
3	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1
4	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0
5	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	0

0	X = 5	Arr[0] = 1	Arr[1] = 2
1	X = 5	Arr[0] = 1	Arr[1] = 2
2	X = 1	Arr[0] = 1	Arr[1] = 6
3	X = 1	Arr[0] = 1	Arr[1] = 6
4	X = 1	Arr[0] = 1	Arr[1] = 6
5	X = -5	Arr[0] = 7	Arr[1] = 6

Final : X = -5 Arr[0] = 7 Arr[1] = 6