

L1:

`r[2]=M[r[7]];`      *#load a[i] value*

`r[3]=r[3]+r[2];`      *#add value to sum*

`r[7]=r[7]+4;`      *#calc addr of a[i+1]*

`PC=r[7]<r[6],L1;`      *#goto L1 if &a[i+1]<&a[n]*