

hw9(ddl 7.26)

Q1:

x3FFB	-	-	-	-	-	-	-	-	-
x3FFC	-	-	-	-	-	-	-	-	-
x3FFD	-	-	-	-	-	-	205	205	205
x3FFE	-	-	49	-49	-49	172	172	377	377
x3FFF	-	51	51	51	2	2	2	2	754
SP	x4000	x3FFF	x3FFE	x3FFE	x3FFF	x3FFE	x3FFD	x3FFE	x3FFF

x3FFB	-	-	-	-	-					
x3FFC	-	-	-	-	-					
x3FFD	205	2	2	2	2					
x3FFE	17	17	34	-34	-34					
x3FFF	754	754	754	754	720					
SP	x3FFE	x3FFD	x3FFE	x3FFE	x3FFF					

Q2:

The address of A[2,4,3,5] is x4392.

To increment Q, we add 1 element, and to increment P, we add 9 elements. Similarly, to increment N, we add $7 * 9 = 63$ elements; to increment M, we add $5 * 7 * 9 = 315$ elements.

So A[2,4,3,5] is the $2 * 315 + 4 * 63 + 3 * 9 + (5+1) * 1 = 915$ th element.

$x4000 + \#915 - \#1 = x4392$