

Code

```
#include <stdint.h>
#define u8 uint8_t

int main() {
    u8 a[8] = {6, 5, 3, 7, 0, 1, 4, 2};
    u8 *p = &a[0];
    u8 *q = &a[2];
    u8 *r = &a[3];
    // <<< Evaluate values at here!
}
```

Memory

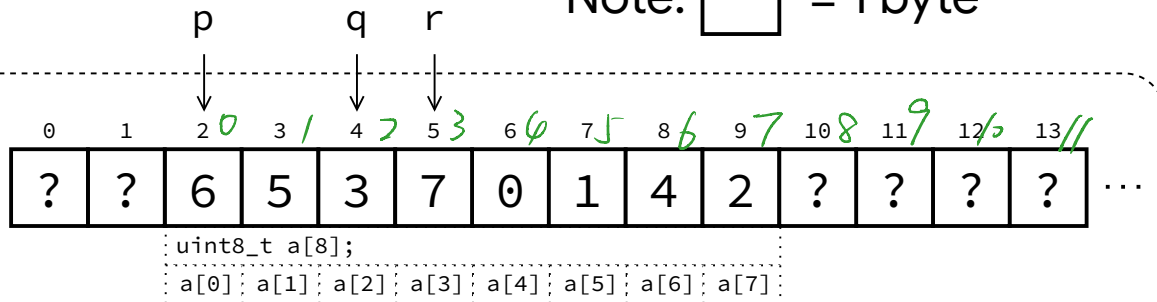
Pointers

Note: = 1 byte

Address

Value

Name



Q. Fill answers in digits (or ? for undefined behavior)

Note: _ is a place holder

So the cell on row "a[_]" and col "0" should be filled with the value of "a[0]"

	0	1	a[0]	a[1]	p	q	r	*p	*q	*r
-	0	1	6	5	2	4	5	6	3	7
1+ _	1	2	7	6	3	5	6	7	4	8
(u8*) _	0	1	6	5	2	4	5	6	3	7
((u8) _)	?	?	0	7	6	3	7	0	5	1
a[_]	6	5	4	1	3	0	1	4	7	2
a[1+_]	5	3	2	4	7	1	4	2	0	?
r[_]	7	0	?	?	1	2	?	?	4	?
r[3+_]	4	2	?	?	?	?	?	?	?	?
((u8*) _)[0]	?	?	0	7	6	3	7	0	5	1
((u8*) _)[2]	6	5	4	1	3	0	1	4	7	2