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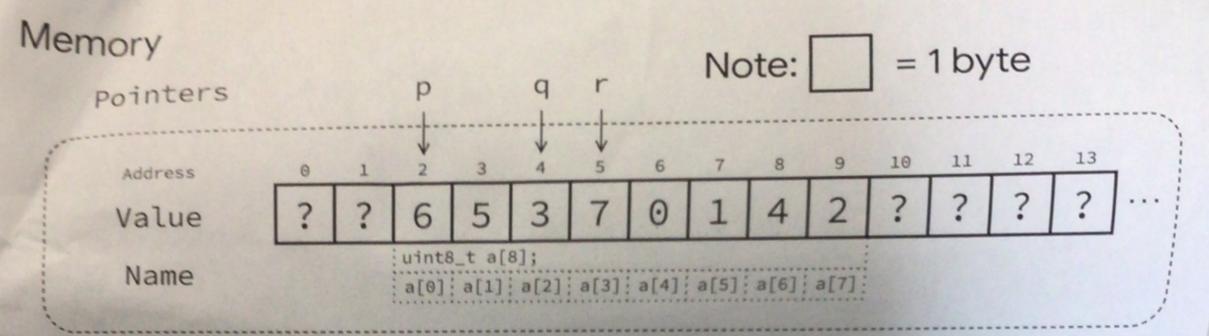
```c
#include <stdint.h>
#define u8 uint8_t

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   p   q   r   Note: ☐ = 1 byte

Address	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Value	?	?	6	5	3	7	0	1	4	2	?	?	?	?	...

uint8_t a[8];

Name: a[0] a[1] a[2] a[3] a[4] a[5] a[6] a[7]

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	2	3	2	4	5	6	3	7
((u8)_)	?	?	6	5	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	?	?	?	4	?
r[3+_]	4	2	?	?	?	?	?	?	?	?
((u8*)_)[0]	?	?	6	5	6	3	7	0	5	1
((u8*)_)[2]	6	5	3	7	3	0	1	4	7	2