Sample Memory Map

We are providing this example so you know what we are expecting for memory maps.

Example

Draw a memory map for the following program up to the point indicated by the comment /*HERE*/.

```c
#include <stdio.h>
#define MAX_LEN 5

void process(int *b, int *s) {
    b[0] = 82;
    s[1] = 95;
    s = NULL;
    /* HERE */
}

int main() {
    int a[MAX_LEN] = {10, 7, 30, 40};
    int *p = a;
    process(a, p);
    return 0;
}
```

Answer:

```
   p
   s
   NULL

   a

   b

   82 95 30 40 0
```

Note: You can also replace NULL with the ground symbol as done in lecture. For example, s above could be represented as:

```
   s
   __
   ___
```