

```

1 void read_matrix(int* data, char w, char h) {
2   char buf_size = w * h;
3   if (buf_size < BUF_SIZE) {
4     int c0, c1;
5     int buf[BUF_SIZE];
6     for (c0 = 0; c0 < h; c0++) {
7       for (c1 = 0; c1 < w; c1++) {
8         int index = c0 * w + c1;
9         buf[index] = data[index];
10      }
11    }
12    process(buf);
13  }
14 }

```

$\text{BUF_SIZE} = 120_{10}$
 $\text{buf_size} = -124_{10}$
 $\text{strlen}(\text{data}) = 132_{10}$

$w = 0\ 0\ 0\ 0\ 0\ 1\ 1\ 0 = 6_{10}$
 $h = 0\ 0\ 0\ 1\ 0\ 1\ 1\ 0 = 22_{10}$
 $h * w = 1\ 0\ 0\ 0\ 0\ 1\ 0\ 0 = 256_{10}$