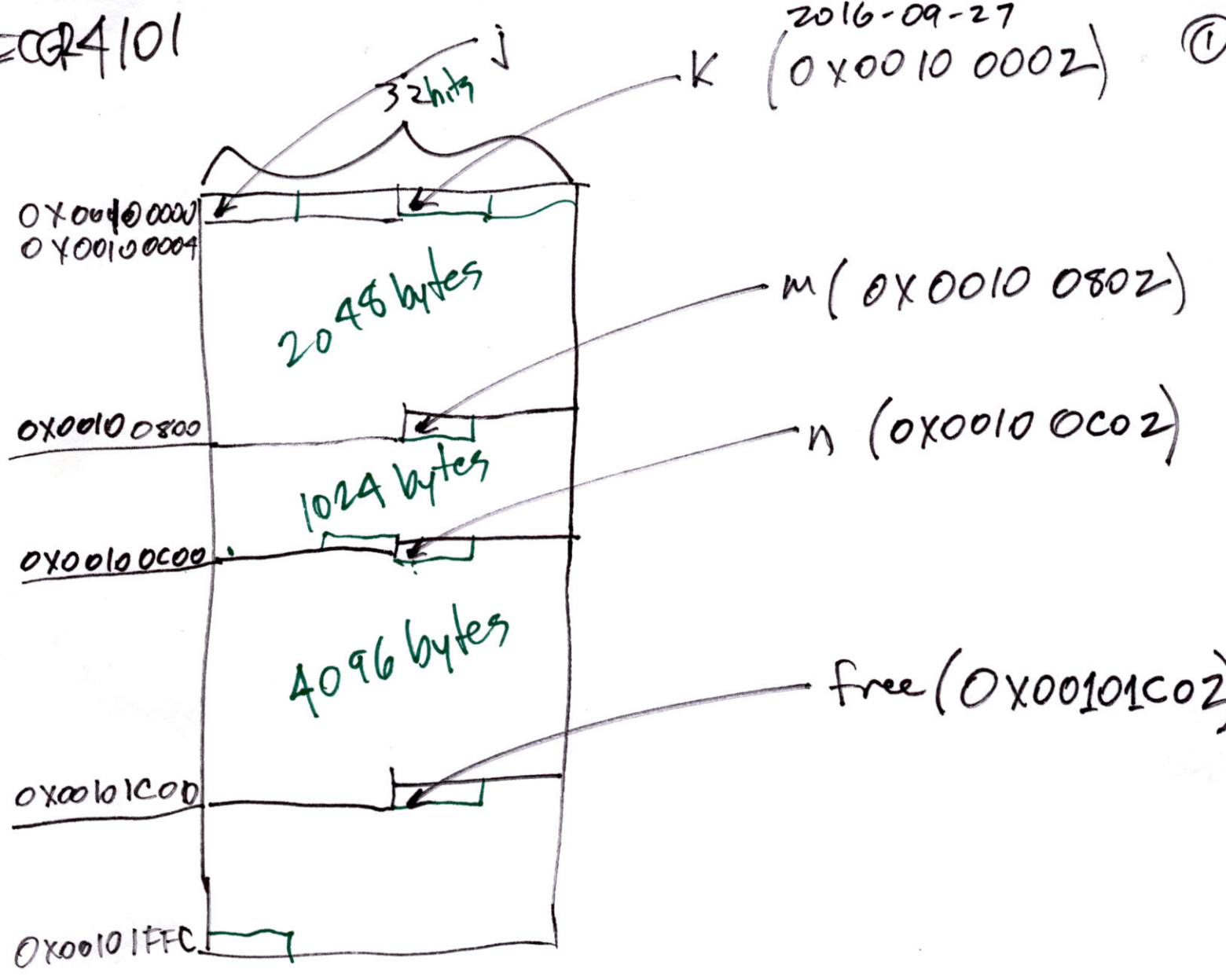


ECR4101

2016-09-27  
(0x0010 0002) ①



```
Code:
int num_elements = 1024;
int * j, k;
char * m;
float * n;
j = (int *) calloc (sizeof(int));
k = (int *) malloc (num_elements, sizeof(int));
m = (char *) malloc (num_elements, sizeof(char));
n = (float *) malloc (num_elements, sizeof(float));
```

(2)

Assuming the previous code has executed, fill array  $k$  such that  $k[0]$  contains 0,  $k[i]$  contains 1, ...,  $k[1023]$  contains 1023.

```
int i;
```

```
for (i=0; i<num_elements; i++)
```

```
    k[i] = i;
```