```
input_bucket:
for (int j = 0; j < batch_size; j++) {
        <get ith_radix>
        <input number to bucket[ith_radix]>
        bucket_pointer[ith_radix] += 1;
    }
output_bucket:
    for (int l = 0; l < 16; l++) {
        for(int m=0; m<bucket_pointer[l]; m++){
            sorted_data[k] = bucket[l][m];
            k = k + 1;
        }
    }
```

变上限循环