

A

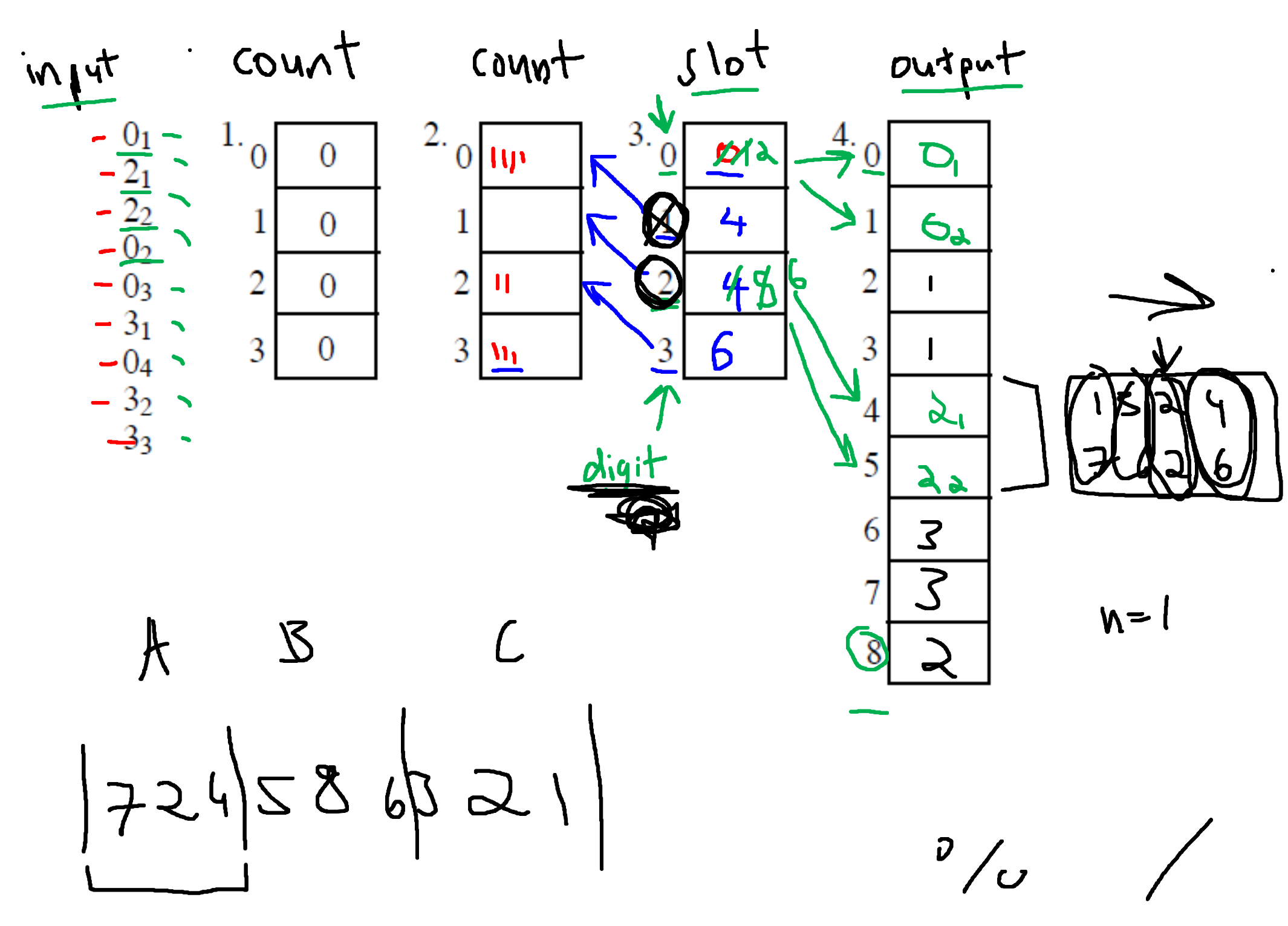
2 4 3 2
 3 9 0 8
 3 2 9 8
 2 2 3 2

B

2
 3
 8
 2

0

2 3 4 5 7 1 8 6 9



A B C

7 2 4 | 5 8 6 | 2 1

7 2 4
 8 4 5
 9 3 2

↓

1000 200
 243249336
 300824374
 329631439
 32509932
 223216997
 69882
 293507236
 327930215
 3117724
 328423334
 323809655
 31048744
 218870430
 381335899
 300341024
 373220021

→ radix

↑ counting

→ 89882

```

int isolateDigit(int digitPosition, int integer)
{
    // math and operations to split and isolate
    int digit = integer;
    int factor = 1000000000 / pow(10, digitPosition);
    digit = digit % factor;

    // an if statement is here to prevent dividing by 0
    if(factor/10 != 0)
    {
        digit = digit / (factor/10);
    }

    // returns isolated digit from integer given digit position, MSD is 0
    return digit;
}
  
```

243249336 ←