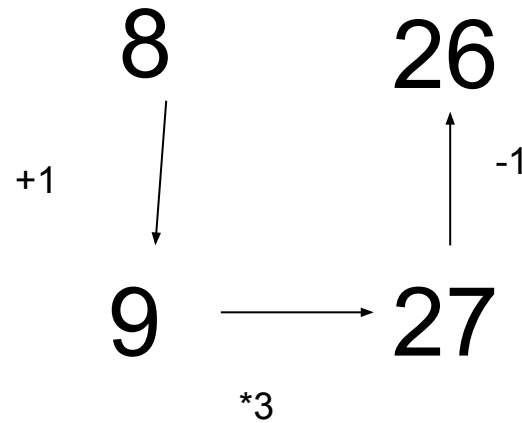
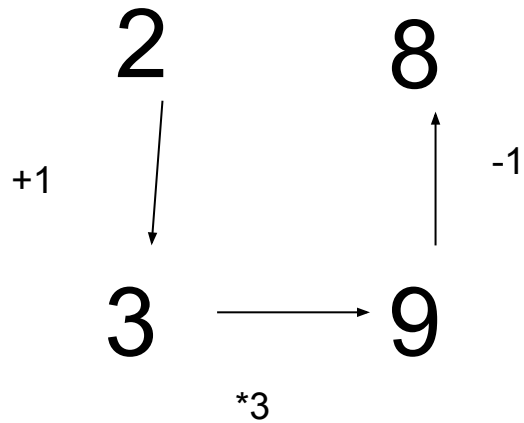


## Fill an array with numbers

2,8,26,80,  
3,9,27,81



```
void fillPowers(int arr[], int length) { // +3 exponent, -1
    for (int i = 0; i < length; i++) {
        arr[i] = pow(3, i + 1) - 1; // to get rid of erroneous first 0,
        add i + 1 instead of just i
    }
}
```

```
void fillPowers(int arr[], int length) { // +3 exponent, -1
    int b = 2;
    for (int i = 0; i < length; i++) {
        arr[i] = b;
        b = (b + 1) * 3 - 1;
    }
}
```

```
void fillPowers(int arr[], int length) { // +3 exponent, -1
    arr[0] = 2;
    for (int i = 1; i < length; i++) {
        arr[i] = (arr[i-1] + 1) * 3 - 1;
    }
}
```