#15 days of dsa coding challenge

#Day 13

#Leetcode 735

Asteroid collision

Solution:

class Solution {

public:

vector<int> asteroidCollision(vector<int>& asteroids) {

vector<int> st;

for (int a : asteroids) {

bool alive = true;

while (alive && a < 0 && !st.empty() && st.back() > 0) {

if (st.back() < -a) st.pop\_back();

else if (st.back() == -a) { st.pop\_back(); alive = false; }

else alive = false;

}

if (alive) st.push\_back(a);

}

return st;

}

};