Problem Link:

<https://leetcode.com/problems/maximum-fruits-harvested-after-at-most-k-steps/?envType=daily-question&envId=2025-08-03>

Solution:

class Solution {

public:

int maxTotalFruits(vector<vector<int>>& fruits, int startPos, int k) {

int n = fruits.size();

int l = 0, t = 0, m = 0;

for(int r = 0; r < n; ++r)

{

t += fruits[r][1];

while(l <= r)

{

int lp = fruits[l][0];

int rp = fruits[r][0];

int s1 = abs(startPos - lp) + (rp - lp);

int s2 = abs(startPos - rp) + (rp - lp);

if(s1 <= k || s2 <= k)

break;

t -= fruits[l][1];

++l;

}

m = max(m, t);

}

return m;

}

};