**AUGUST** 17 18 19 20 21 22 23 24 25 26 27 28 29 30 W = [4,7,2,5]. Sum (w) = 18. P = [4, 11, 13, 18] yand() 1. tutal
y = rand() 1. tatal x \in (0, tatal -1 .4, 11, 13, 18 6-3 4-10 11-12 13-17. To search of me can do linear Sensoh. Y=5 so it lies in 4-10 -> index = 11. Cacle :nector Kint > prefix; Salution (nector <int > Low) { int n = w. gize(); Prefix regize (1); prefix [o] = w[o]; pr (int j=0; j < n; itt) prefix [i] = w[i]+ prefix (i-1);