$L_4 = 0 \rightarrow L_3 = N \rightarrow L_2 = 2N \rightarrow L_1 = 3N \rightarrow L_0 = 4N$

$L_3 = N \rightarrow L_2 = N \rightarrow L_1 = N$

$L_2 = N \rightarrow L_1 = N$

$L_1 = N$

$L_0 = N$

$T(N) = N + 2N + 3N + 4N + 5N + \dots + KN$

$= N(1 + 2 + \dots + K)$

$= (N)\frac{(K)(K+1)}{2}$

$T(N) = (N)K^2$

1	120	300	900
5	116	214	300
9	10	110	295
19	200	210	295
21	220	290	298

$300 - 295 = 5$

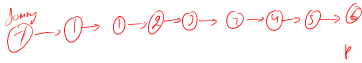
300
300
295
298

295
1k

300
ek

log = 5
max = 15

```
1->4->5,
1->3->4,
2->6
```



K → 5111, avg weight of each list = N.

total Node = (KN)

$(KN)\log(K)$

$(KN)K$