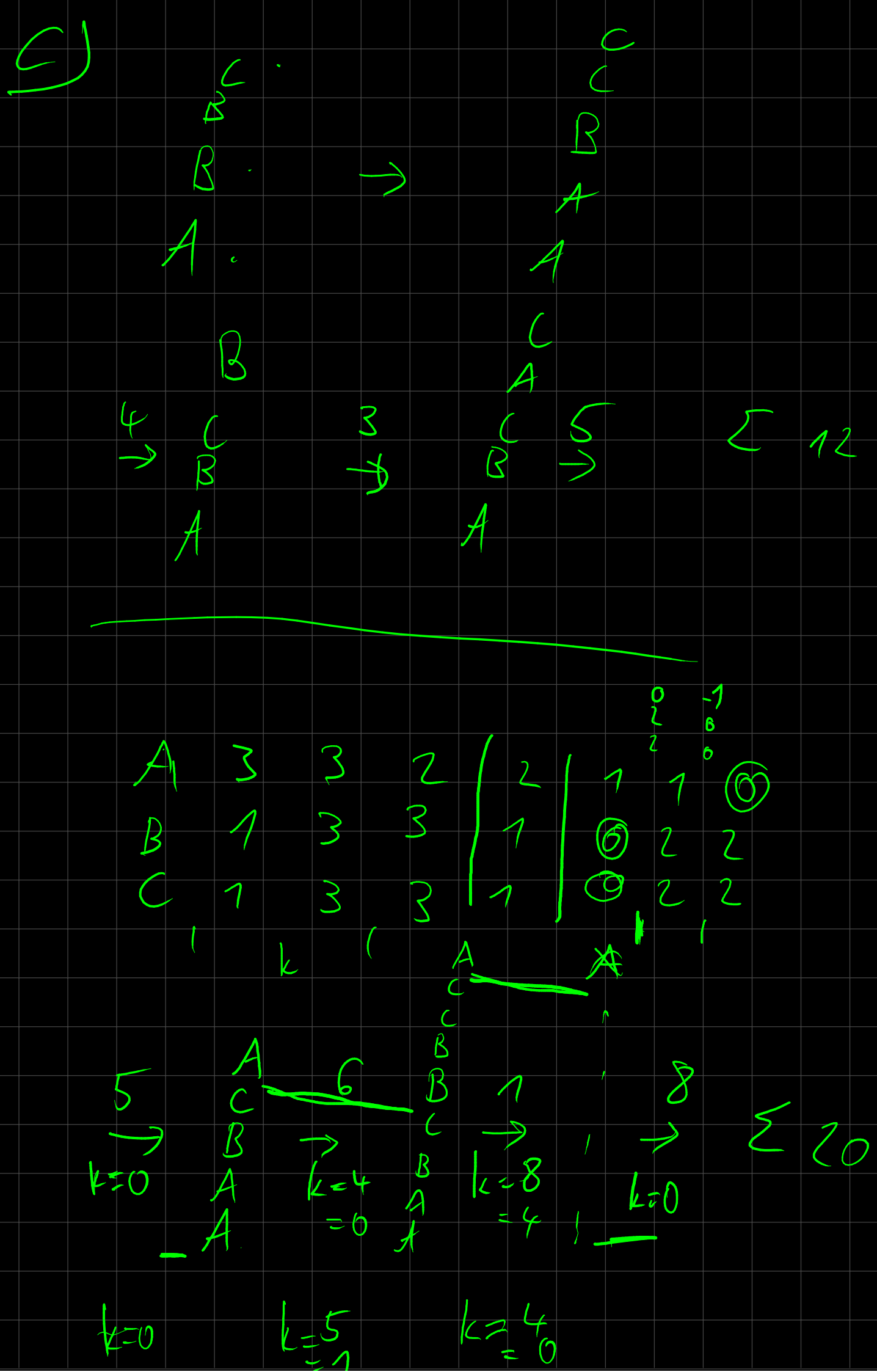
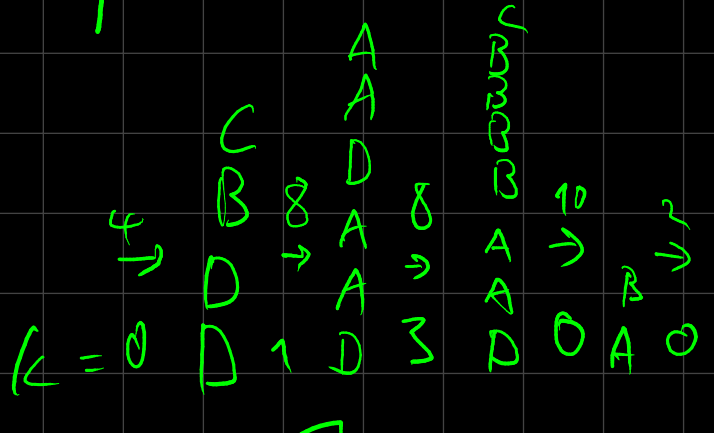

c)
C
B
A
4
3
5
Σ 12
0 -1
2 6
2 0
A 3 3 2 2 1 1 0
B 1 3 3 1 0 2 2
C 1 3 3 1 0 2 2
k
A
C
C
B
A
6
5
8
Σ 20
k=0
k=4
=0
k=8
=4
k=0
k=0
k=5
=1
k=4
=0

A	1	5	3	2	1	0	4	2	1
B	2	1	5	2	1	1	0	4	1
C	3	2	3	2	2	1	0	1	0
D	4	4	3	2	2	2	2	1	0



$\Sigma = 32$

$$d_p[e, k] = \Sigma k$$

$$d_p[0, 0] = 0$$

$$d_p[0, k>0] = -INF$$

$$d_p[e+1, k] = \min_{\tilde{k}} \; dp[e, \tilde{k}] + k$$

	0	1	2	3
0	4	2	1	
1	0	4	1	
2	0	1	0	
3	2	1	0	

$O(E^2)$

$[0,1]: 2, 0 \to 2$

$[1,2]: 3, 0 \to 3$ $\quad E^2 \cdot E$

$[2,3]: 2, 0 \to 2$

$[0,2]: 1, \overset{0,\textcircled{2}}{\underset{2,0}{}} = 1, 2 \to 4$

$[1,3]: 1, \overset{0,1}{\underset{2,0}{}} = 1, 2 \to 4$

$[0,3]: 0, \overset{0,4}{\underset{2,0,2}{}} = 0, 4$

$4, 0$

$L = 3$

$E = 4$

$s + L < E$