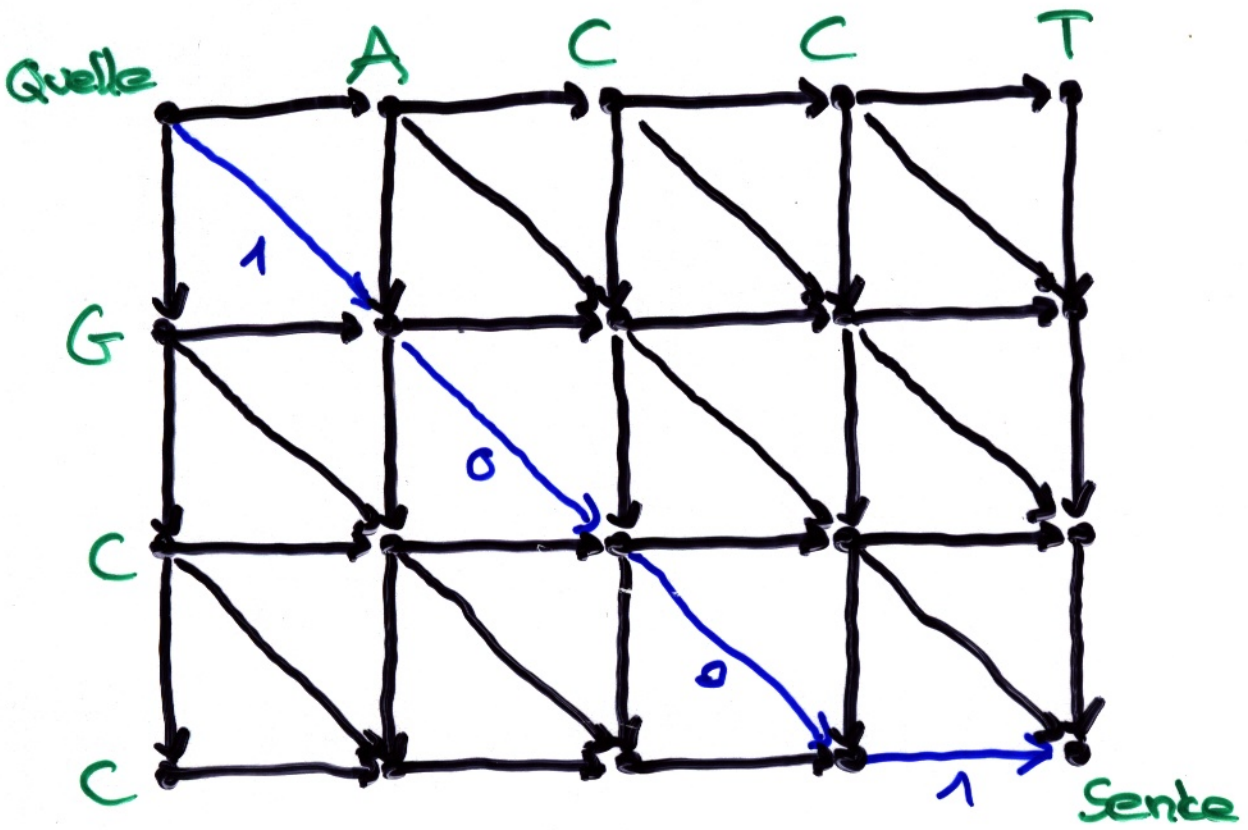
Edit-Graph

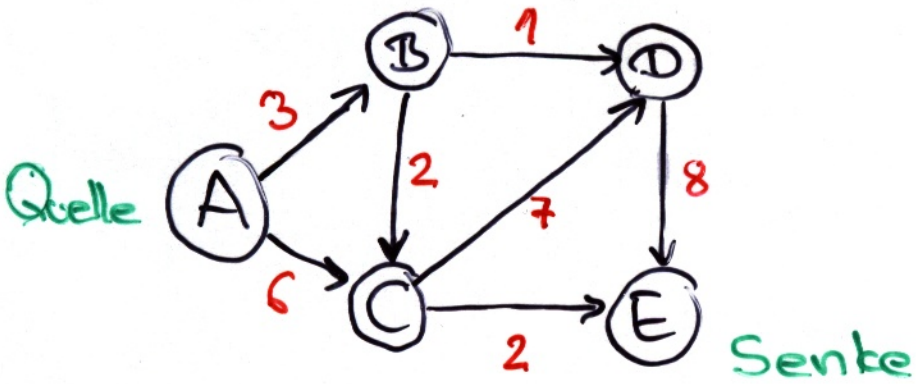
$u_1 = ACCT$ $u_2 = GCC$



A C C T
G C C –

Kosten 1 0 0 1, Summe = 2

Dijkstra



1. Initialisierung $Q = \{(A,0)\}$ $dist[A] \leftarrow 0$

2. Vorher $Q = \{(A,0)\}$ $u = A$

   - Kante (A,B):

     $\ell' = dist[A] + \omega((A,B)) = 0+3 = 3 < dist[B] = \infty$

     $\rightarrow dist[B] \leftarrow 3$, füge $(B,3)$ in Q ein

   - Kante (A,C):

     $\ell' = dist[A] + \omega((A,C)) = 0+6 = 6 < dist[C] = \infty$

     $\rightarrow dist[C] \leftarrow 6$, füge $(C,6)$ in Q ein

3. Vorher $Q = \{(B,3), (C,6)\}$

   - Kante (B,C):

     $\ell' = dist[B] + \omega((B,C)) = 3+2 = 5 < dist[C] = 6$

     $\rightarrow dist[C] \leftarrow 5$, füge $(C,5)$ in Q ein [...]