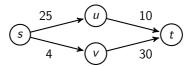
C: Candy Contribution

Problem Author: Ruben Brokkelkamp

- **Problem:** Given a graph, nodes s and t, a number of candies c and for each edge e an integer p_e denoting what percentage of the candies you are carrying you have to pay to use the edge (rounded up).
 - What is the maximum number of candies you can bring from s to t?
- Sample showed that computing path with lowest summed taxed percentage is not always best: (1 0.25)(1 0.1) = 0.675 > 0.672 = (1 0.04)(1 0.3).



- So, cannot do a 'normal' additive dijkstra with tax percentages to find best path.
- lacktriangle Solution: Tweak dijkstra a bit. Instead of initializing every node to ∞ and lowering it everytime you find a shorter path. Initialize everything to 0 and raise it when you find a path where you hold on to more candies.