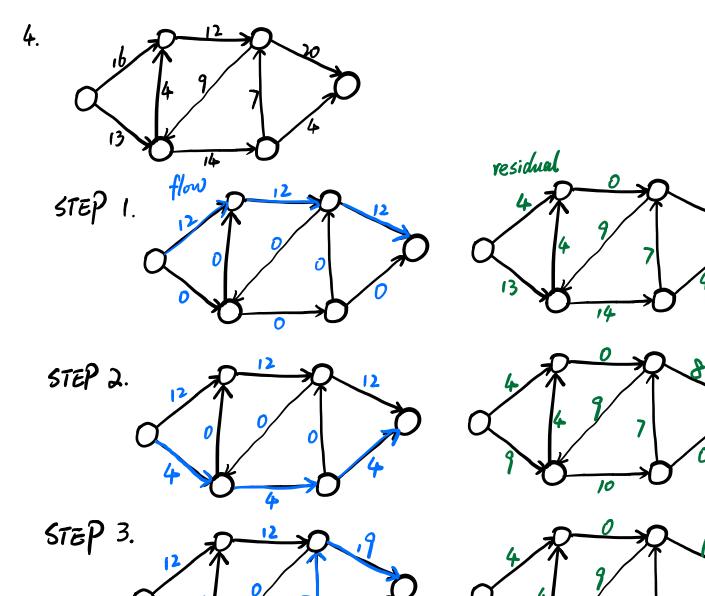
2. Let Mli.t) be true if there is a subset of {a1, a2, a3, ..., ai} with summarion of t, and be false otherwise.

$$\begin{cases} M(i,t) = M(i-1,t) \cup M(i,t-ai) & \text{if } t \geq ai \\ M(i,t) = M(i-1,t) & \text{if } t < ai \end{cases}$$
the final answer is given in $M(i,t)$.

3. Assume E(i,j) is the max-scoring alignment of the substring of length of the first soring. $\begin{cases} 0 & i=j=0 \\ E(i-1,0)+S(Xi,-) & j=0 \\ E(i,j-1)+S(-1,Yi) & i=0 \\ (E(i-1,j)+S(Xi,-) & j=0 \\ (E(i-1,j)+S(Xi,-) & j=0 \\ (E(i,j-1)+S(Xi,-) & j=0 \\ (E(i,j-1)+S$



No augmenting path anymore. final graph is step 3 flow graph.

J. Using dynamic programming method.

First. select a node near source and get the max-flow.

Then. Choose another node and get the max-flow from source to this node.

Iterate last Step, until got the man-flow from source to sink.

The basic idea is to make local optimal and enlarge this local area, when the onea equals to the total graph, then we have the solution we need.

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