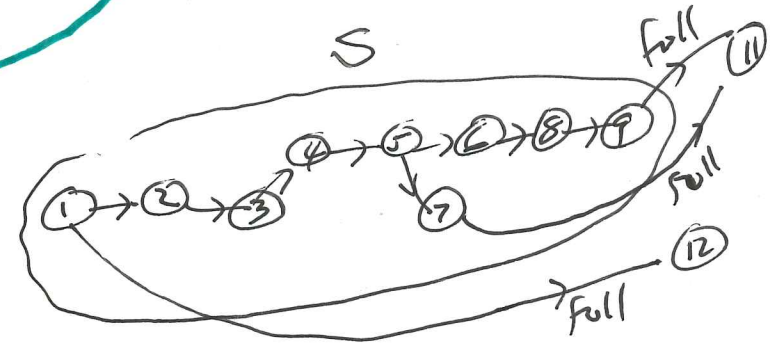
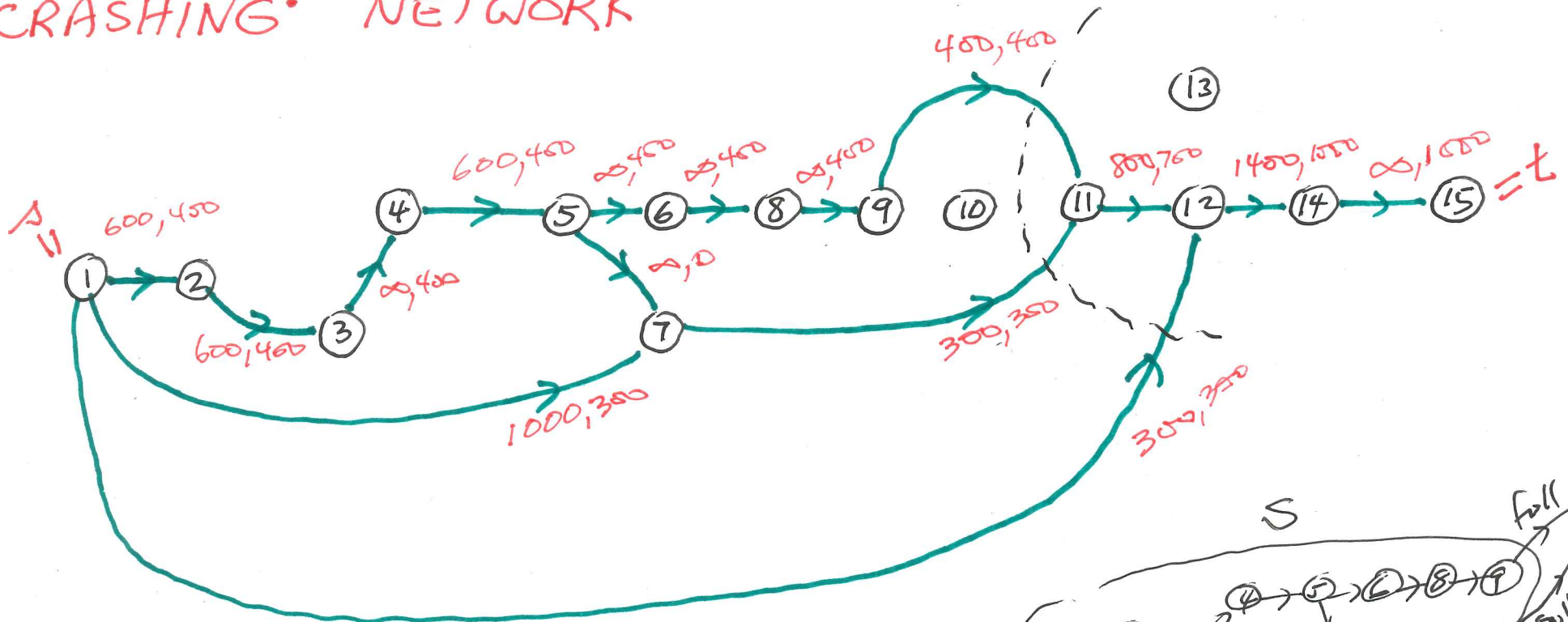


CRASHING NETWORK



augmenting paths:

$$① \rightarrow ② \rightarrow ③ \rightarrow ④ \rightarrow ⑤ \rightarrow ⑥ \rightarrow ⑧ \rightarrow ⑨ \rightarrow ⑪ \rightarrow ⑫ \rightarrow ⑭ \rightarrow ⑮ \quad \Sigma = 400$$

$$① \rightarrow ⑦ \rightarrow ⑪ \rightarrow ⑫ \rightarrow ⑭ \rightarrow ⑮ \quad \Sigma = 300$$

$$① \rightarrow ⑫ \rightarrow ⑭ \rightarrow ⑮ \quad \Sigma = 300$$

min cut $\{(9,11), (7,11), (1,12)\}$
Cost \$1000

reducing activities 10, 18, 19 by 1 day is cheapest way to reduce completion time by 1 day.