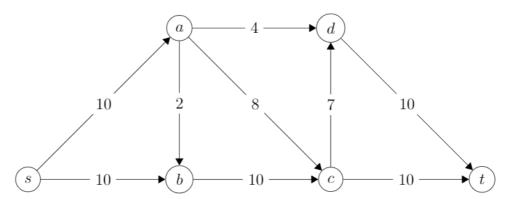
Maximum Flow

Consider the following flow network with source s and sink t:



Question 1: After augmenting along the path $s \to a \to c \to t$, along $s \to a \to b \to c \to t$, and finally along $s \to b \to c \to d \to t$, what is the augmenting path of highest capacity?

- $\boxed{\mathbf{A}}$ $s \to b \to c \to a \to d \to t$, capacity +1
- B none, the reached flow value is optimal
- $\boxed{\mathbb{C}}$ $s \to b \to c \to d \to t$, capacity +1
- $\boxed{\mathbb{D}} \ s \to b \to a \to d \to t$, capacity +2
- E $s \to b \to a \to c \to t$, capacity +2

Question 2: Are the flows across *all* cuts after the 3 augmentations of Question 1 equal?

Question 3: What is the maximum flow value (after all possible augmentations)?

Question 4: What is the capacity of a minimum (s,t)-cut?