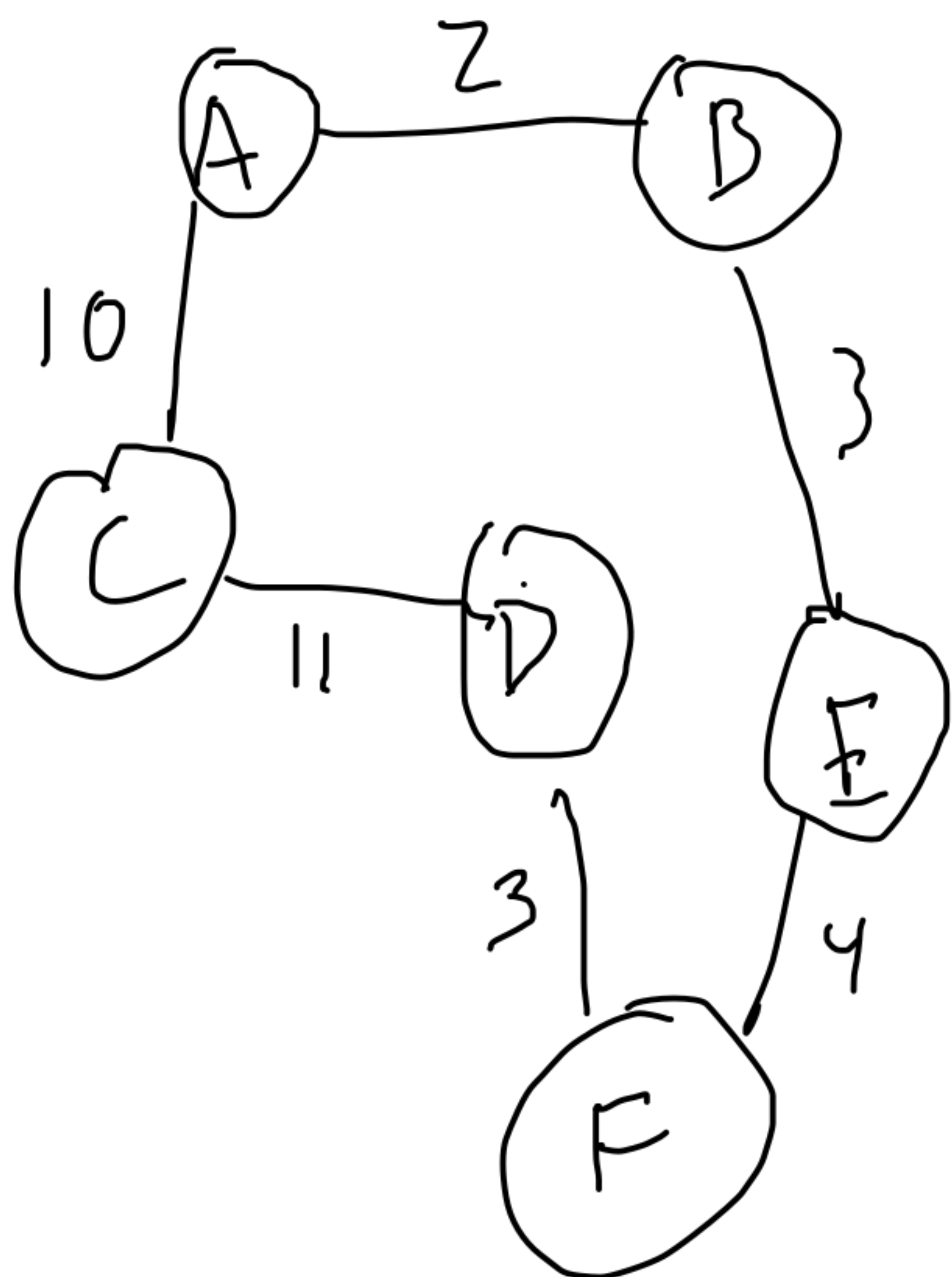


# Shortest Path

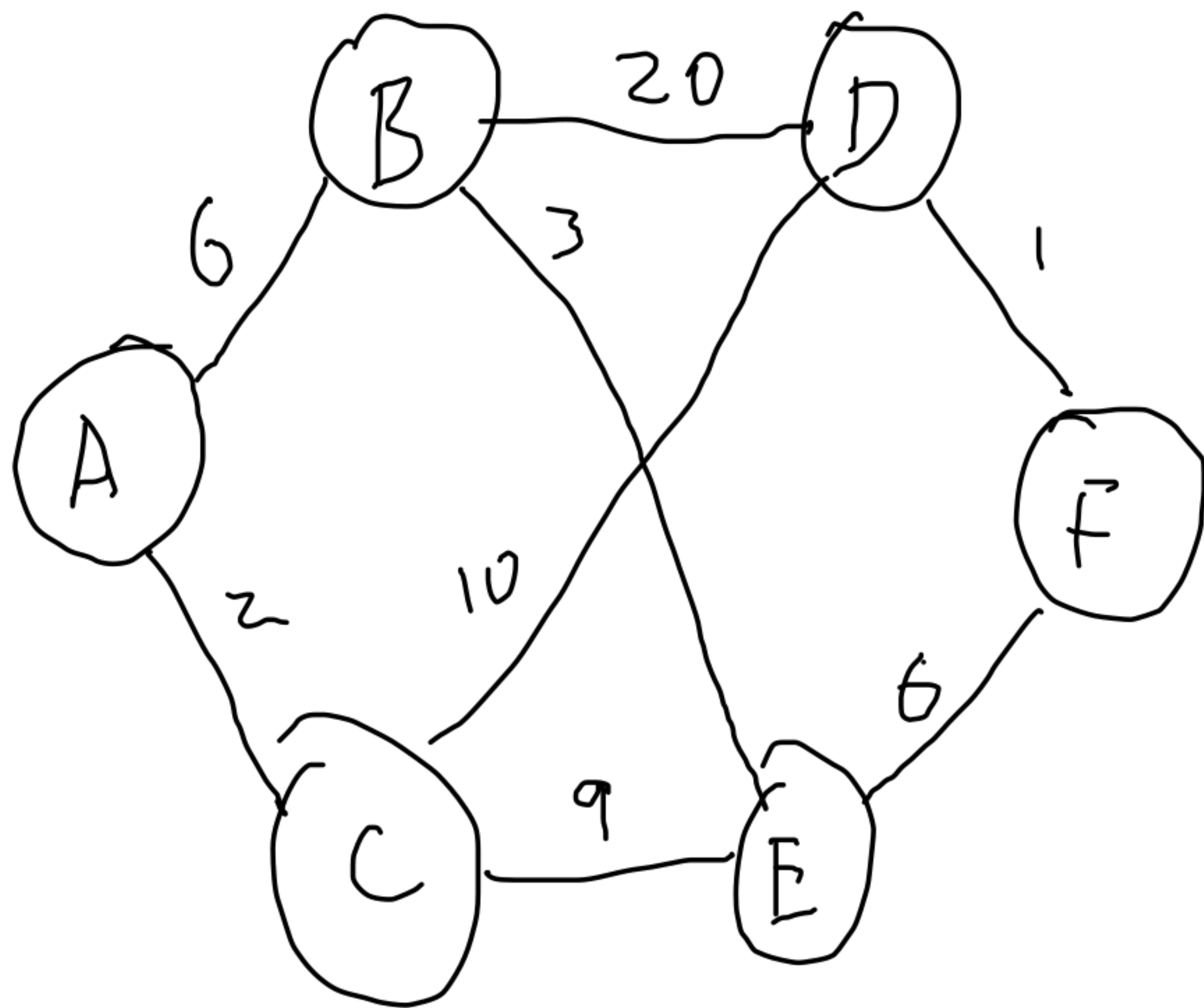
- taking cost/weight into account



	A	B	C	D	E	F
distance	0	<del>10</del> 2	<del>10</del> 10	<del>12</del> 12	<del>5</del> 5	<del>9</del> 9
pred.		A	A	F	B	E
processed	✓	✓	✓	✓	✓	✓

next: ~~A~~ ~~B~~ ~~E~~ ~~F~~ ~~D~~ ~~C~~

# Another Example



	A	B	C	D	E	F
dist.	0	<del>6</del> 6	<del>2</del> 2	<del>12</del> 12	<del>9</del> 9	<del>15</del> 13
pred.		A	A	C	<del>B</del> B	<del>D</del> D
processed	✓	✓	✓	✓	✓	✓

next ~~A~~ ~~X~~ ~~B~~ ~~E~~ ~~D~~ F