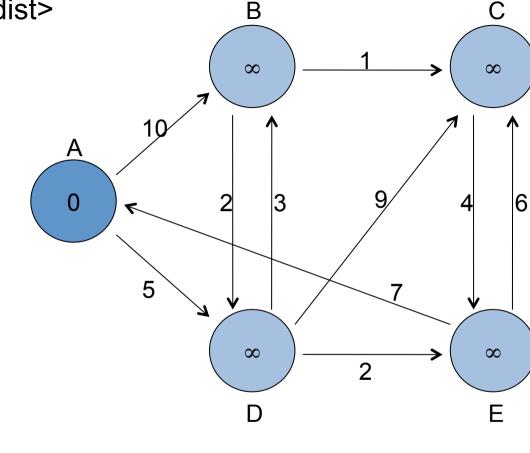
Map input: <node ID, <dist, adj list>> <A, <0, <(B, 10), (D, 5)>>> ∞ ∞ <B, <∞, <(C, 1), (D, 2)>>> <C, <∞, <(E, 4)>>> <D, <∞, <(B, 3), (C, 9), (E, 2)>>> 6 $\langle E, \langle \infty, \langle (A, 7), (C, 6) \rangle \rangle$ Map output: <dest node ID, dist> <B, 10> <D, 5> <A, <0, <(B, 10), (D, 5)>>> ∞ ∞ <C, ∞> <D, ∞> <B, <∞, <(C, 1), (D, 2)>>> <E, ∞> <C, <∞, <(E, 4)>>> <D, <∞, <(B, 3), (C, 9), (E, 2)>>> <B, ∞> <C, ∞> <E, ∞> $<E, <\infty, <(A, 7), (C, 6)>>>$ Flushed to local disk!! <A, $\infty><C$, $\infty>$

Reduce input: <node ID, dist>

<A, <0, <(B, 10), (D, 5)>>> <A, ∞>

<C, <∞, <(E, 4)>>> <C, ∞> <C, ∞> <C, ∞>

<E, <∞, <(A, 7), (C, 6)>>> <E, ∞> <E, ∞>



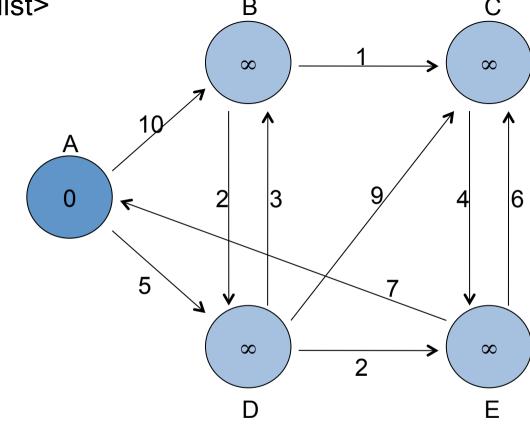
Reduce input: <node ID, dist><A, <0, <(B, 10), (D, 5)>>>

<A, ∞>
<B, <∞, <(C, 1), (D, 2)>>>
<B, 10> <B, ∞>

<C, <∞, <(E, 4)>>> <C, ∞> <C, ∞> <C, ∞>

<D, <∞, <(B, 3), (C, 9), (E, 2)>>> <D, 5> <D, ∞>

<E, <∞, <(A, 7), (C, 6)>>> <<u>E, ∞> <E, ∞></u>



Reduce output: <node ID, <dist, adj list>>= Map input for next iteration

<A, <0, <(B, 10), (D, 5)>>>

<B, <10, <(C, 1), (D, 2)>>>

<C, <∞, <(E, 4)>>> <D, <5, <(B, 3), (C, 9), (E, 2)>>>

<E, <∞, <(A, 7), (C, 6)>>>

Flushed to DFS!!

