Visited = [ ]
Unvisited = [A, B, C, D, E, F, G]
Current =

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	∞	
C - Fredericksburg, VA	∞	
D - Waldorf, MD	∞	
E - Tappahannock, VA	∞	
F - Charlottesville, VA	∞	
G - Richmond	∞	

Visited = [ ]
Unvisited = [B, C, D, E, F, G]
Current = A

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	∞	
F - Charlottesville, VA	∞	
G - Richmond	∞	

Visited = [A]
Unvisited = [B, C, E, F, G]
Current = D

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	120	D
F - Charlottesville, VA	∞	
G - Richmond	∞	

Visited = [A, D]
Unvisited = [B, E, F, G]
Current = C

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	101	C
F - Charlottesville, VA	∞	
G - Richmond	114	C

Visited = [A, D, C]
Unvisited = [E, F, G]
Current = B

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	101	C
F - Charlottesville, VA	115	B
G - Richmond	114	C

Visited = [A, D, C, B]
Unvisited = [F, G]
Current = E

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	101	C
F - Charlottesville, VA	115	B
G - Richmond	114	C

Visited = [A, D, C, B, E]
Unvisited = [F]
Current = G

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	101	C
F - Charlottesville, VA	115	B
G - Richmond	114	C

Visited = [A, D, C, B, E, G]
Unvisited = []
Current = F

Node	Distance	Previous Node
A - Washington DC	0	
B - Culpeper, VA	70	A
C - Fredericksburg, VA	54	A
D - Waldorf, MD	27	A
E - Tappahannock, VA	101	C
F - Charlottesville, VA	115	B
G - Richmond	114	C

Thus the shortest path from A (DC) to G (Richmond) is A→C→G