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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	∞	71		
C - Fredericksburg, VA	∞	46		
D - Waldorf, MD	∞	80		
E - Tappahannock, VA	∞	41		
F - Charlottesville, VA	∞	66		
G - Richmond	∞	0		

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	∞	41		
F - Charlottesville, VA	∞	66		
G - Richmond	∞	0		

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	101	41	142	C
F - Charlottesville, VA	∞	66		
G - Richmond	114	0	114	C

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	101	41	142	C
F - Charlottesville, VA	∞	66		
G - Richmond	114	0	114	C

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	101	41	142	C
F - Charlottesville, VA	184	66	250	G
G - Richmond	114	0	114	C

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	101	41	142	C
F - Charlottesville, VA	115	66	181	B
G - Richmond	114	0	114	C

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	101	41	142	C
F - Charlottesville, VA	115	66	181	B
G - Richmond	114	0	114	C

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

Node	Distance (*g(n)*)	Heuristic (*h(n)*)	f(n)	Previous Node
A - Washington DC	0	97	97	
B - Culpeper, VA	70	71	141	A
C - Fredericksburg, VA	54	46	100	A
D - Waldorf, MD	27	80	107	A
E - Tappahannock, VA	101	41	142	C
F - Charlottesville, VA	115	66	181	B
G - Richmond	114	0	114	C

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