DFS

stack: [ ]

[s]

s [b, h, c]

b [d, h, c]

d [f, h, c]

h [c]

c [e]

e [f]

f [null] - all vertexes have been

A.) • Neither the shortest single path nor the longest single path:

s → b → d → t = weight of 3 ← this is
i, ii, iii

B.) • The shortest single path:

s → h → t = weight of 2

C.) • The longest single path:

s → c → e → f → t = weight of 4.