

Question 1 (20 Points)

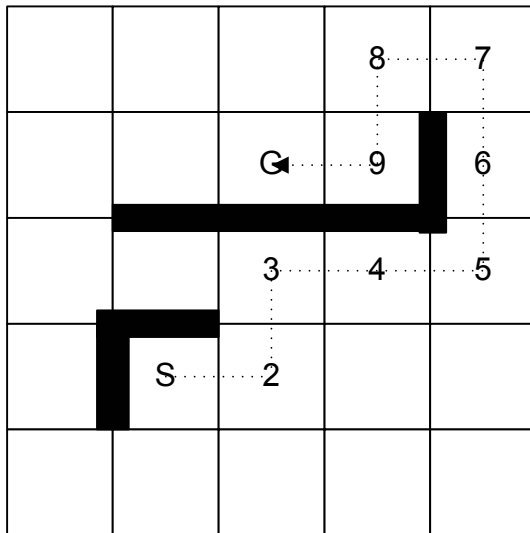
For question

(a) (x): x represents expanded sequence number

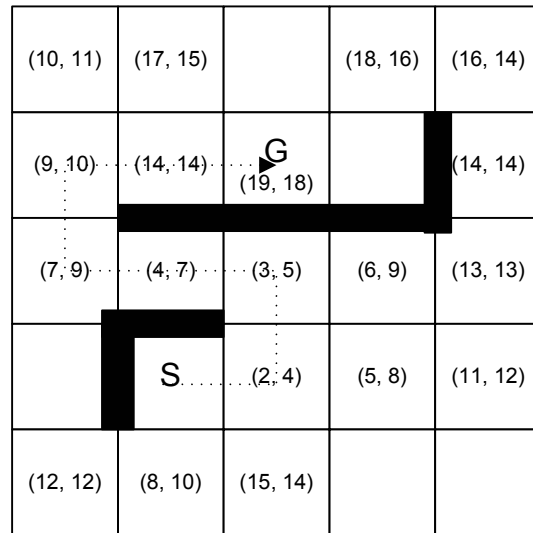
(b) (x, y): x represents expanded sequence number, and y represents cost

(c) (x, y): x represents expanded sequence number, and y represents $h(n)$ (d) (x, y): x represents expanded sequence number, and y represents $g(n)$

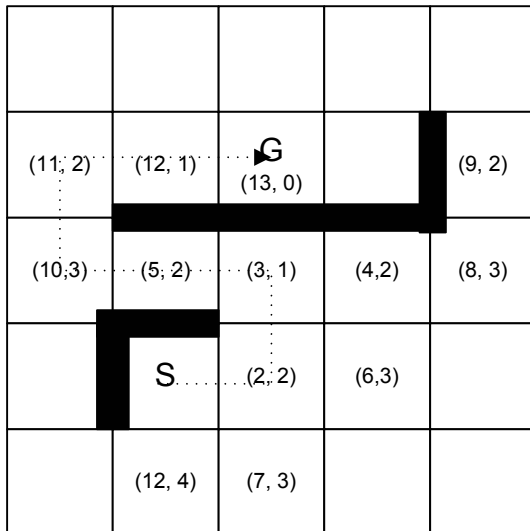
(a)



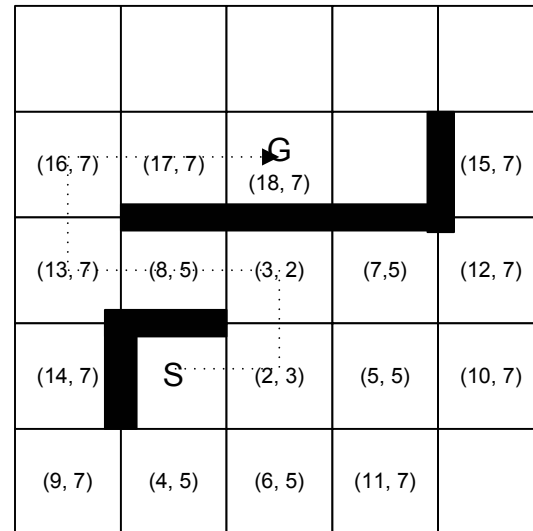
(b)



(c)

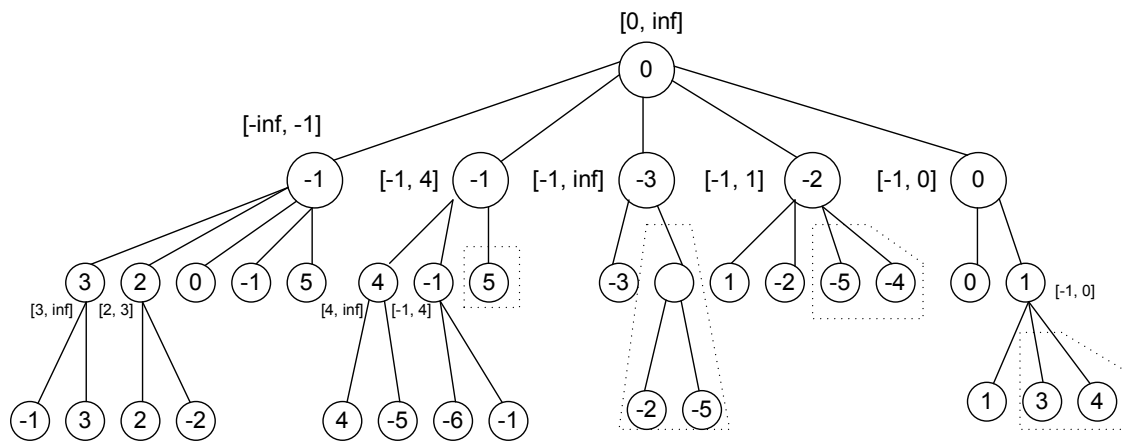


(d)



Question 2: (20 points)

(a)



Question 3: (60 Points)