

Data Structure HW4

1.

(a) 10

(b) 501

(c) 128

(d) 500

(e) 128 64 32 16 8 4 2 1

(f) 78

(g) 761

(h) 512

2.

(a) ABCGDEFHIJKL

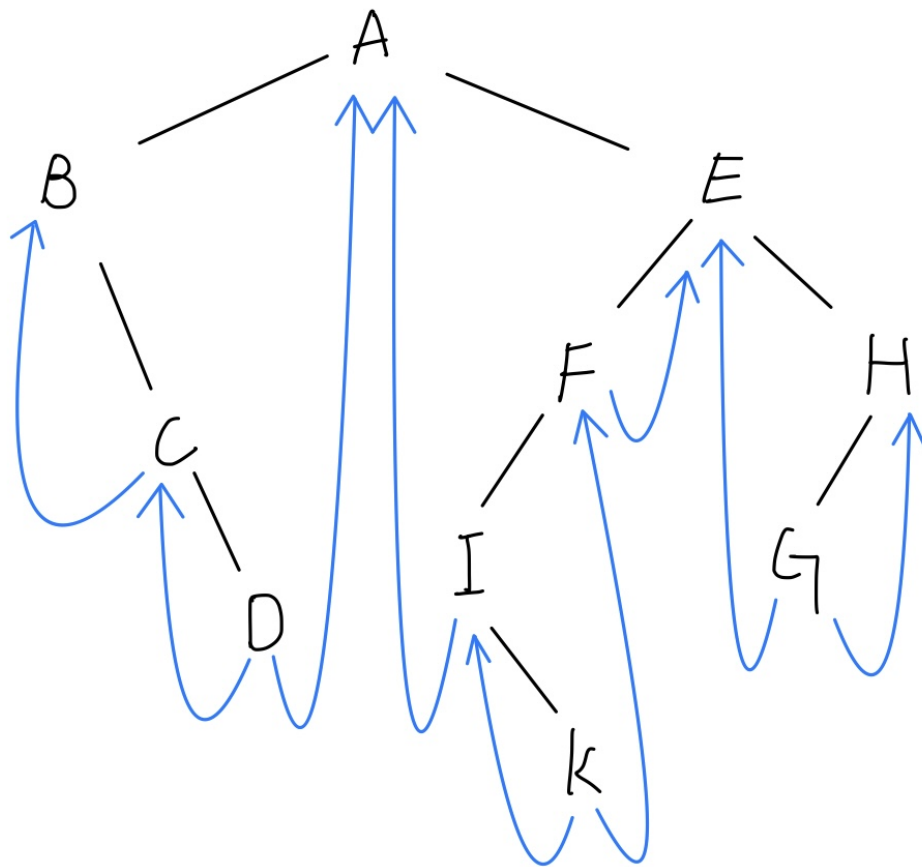
(b) CBEFDGJIKHLA

(c) CFEDJKILHGBA

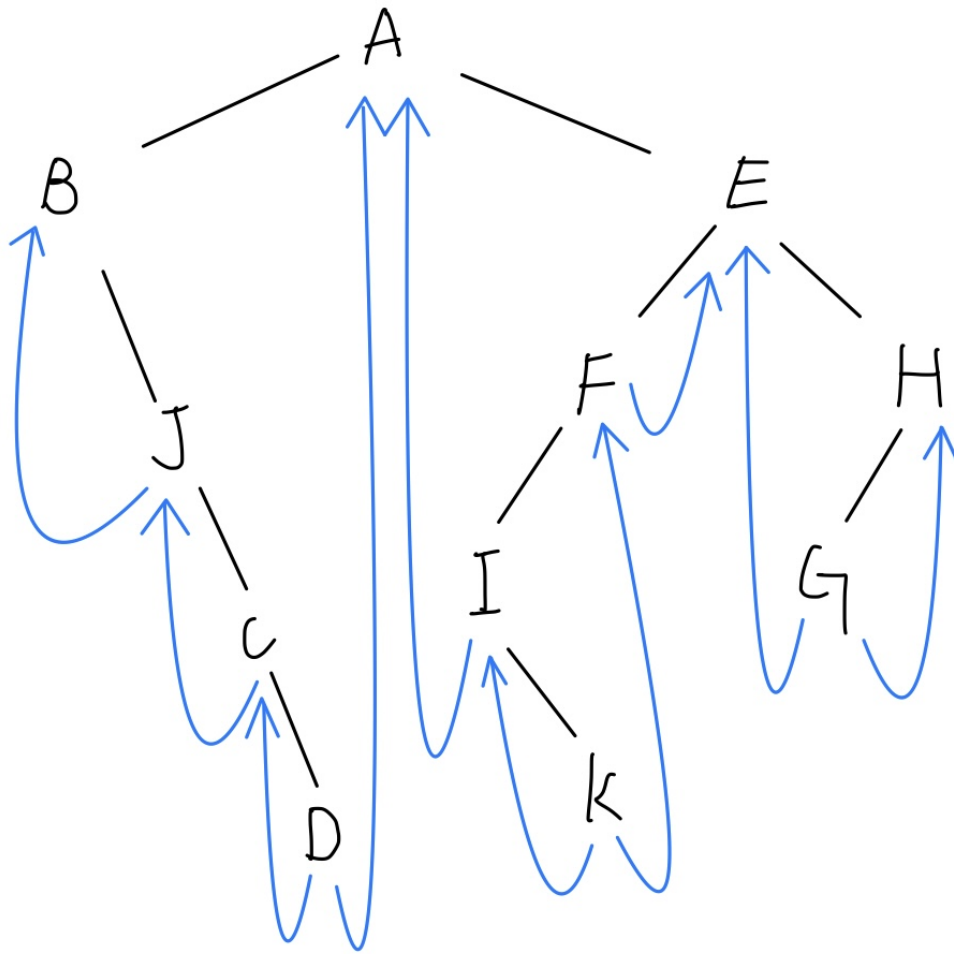
(d) ABCGDHEILFJK

3.

(1)



(2)



4.

	1	2	3	4	5	6	7	8	9	10
heap	90	89	70	36	75	63	65	21	18	15
-max	89	75	70	36	15	63	65	21	18	
+60	89	75	70	36	60	63	65	21	18	15
-max	75	60	70	36	15	63	65	21	18	
+80	80	75	70	36	60	63	65	21	18	15
-max	75	60	70	36	15	63	65	21	18	
+20	75	60	70	36	20	63	65	21	18	15