

Potential Methodi Competitive Analysis / Awarized Tree: 5-19n AGGREGATE C= Total cost of kops MTF: after accessing x, more x to front Stack: # clear in Stack Ci = ci+ \$(00)-\$(00) Cost = ranke(x) tranke(x) -1= 2 ranke(x)-1 2 ci= 2 ci+ I(On)-I(Oo) Accounting ! CA(s) Ed. Copy (5) + k PUSH=> create elem, place on top. o(1) Table Doubling ! 車=世Invs blw Li ム(i*)·2 11/2 elen = 142 coins PUP-> retwo/remove top econ o() PUTUKETA > Reads top key, renaes k elens for o(4) 五(日=0 - Use 1/2 coistor a doubley veture value of hith elen afth that o(b) 09= £2 -Total > 01). 920 Li-1: AUBIXICUD r=lAHBH Let = 2 . Helen in data-struct - Anastrolinsenous Push &= C + D== 1+2=3 Li-i+ : [AUC|x|BUD] V=|A|+|c|+| 1+00000 90P 2= C+A = 1-2=-FUTUREPOR C= C+D==2k+1-2k=1 MTF Step 7 create (Al inv MST EX: Bottleveck spanning free destroy 18/ inv Find an edge on the min cutult)=max edge RMBFS to Detect 5 of edges Gira 6, b, determine whether reachable from S. Hente Ihm all minimal w(7) &b. Q= 2((A1-1B)++i) - Kenore all et E, Qu(c) >b. edges to fill an edge in 5 guing Ci = 2r-1 +2(1A1-[r-1-1A]) out of siveturn. - Run DFS. In General, think DFS, BFS, changes to 64(1×+6i) 544* Prims jensteals MTFis 4-competions the If you take an elementant, its 12 wally P= {-1,-4,-5,2,3} FFT EX (1A-XA)(PB-XB)=PAPB-XBB-XBPA (4) 15 (4) (4) C=0 +X9X5 Add & to every clan. Still no added that - P3 by FFT - coers that precedes X = H things * You need at least d'Emply ZO. - Paird sums + original polynomial, ViEP, Gold a, in each ow has atmost or flowers Plan Ex each col has armost c; flowers C X2 0=1. only flows can be placed in cells bis; =1 - Multiply by FFT P. All can contain up to d flowers. - Subtract 3 Cad from P3 - If sea coeff >0, return T. P+ = (pos elen) p-=[regelen] A+(x)= Z x 8(x)= A,2(x)-A+(x2) nlyn 2 distinct numbers sum to i I for all more coasts, i.e.P., then yay Finding residual edge w/ min capacity i mign Edges = nm+n+m= O(nm) Guess in , max weight of min object homest FF > 0 (18(f) = 0 (nm (nmd)) Sort medges migh Binar surch, uptional win 190 DFS Binary Courses: Incurrent: Add 1 > worst case all 15 must switch Ford Fullyson: Start w/ o flow Augmenthy path via DFS Augment flow by proving (s(p) along path P let 0=#15 Repent until none left Cost=k+1 ==-k O(EN.C) = O((6/13/1) C2=1



