Millorin To Array Cong (sastra tagd, strt, 11) TGROP bea copies all birds from a into b 26 Arrays ing (787a = New int Crow) (column) sn= source army strl= stat position insource Reference Types 8 pormition 1) String 1 P target = target array 2) Amy start - start position in target 3) classe Short # = ft to copy 7) float State variable only I instanc exists and it belongs to the class instead of instance State brethod: Leconss to the class rather than an object of the class · can be invoked who need for creating an instance · can only access state vanables and methods when a subclass, inherits through inherits keyword, it inherits the method signatures ext Lot Interface nstatic dynamic in values. ALLIA (State us Dynamic Type 51list DUST LIST B = new Stister; Implementation InherHouse - Subdiess extends superclass inherit all intonuvariotes, methods, nested classes, state Static Z dynamic pN inhart constructor, call super(); steps: dynamic method lockup overload: same method name, diff method signature Dehede of state type has method 2) check if dynamic type has method
3) if it does use it otherwise use steps
4) trooter doesn't have in static overriding: when you have some everything Method Signature -name of method - parametertype - # of parameters TRROPS of methods are overloaded use static public int x (inty) off methods are overnium use dynamic public char x (inty) · poe int comple be. Java sees this as same method Dag d = (Day) new Animal (1) Caste They you want to change to statistype. · Runim Error (type 1) varname calling this function() on a state func - Compile Forar) if state type doesn't have a field (variable) or a method · Use equals to compare actual equality in value. Athing = new(11; syso (thing (rale); Thruk compile 5) accessing a private variable from a difficulars Making a comparator class public class Reverse Comporator implements comporator eitem) { public int compare (Item il, Itemiz) & - Compile ERROR Graph Tricks * 9) Edge weight continuouse HOW.

Softing another set manage; o(E+W+E'od(V))

Checking whether f. 1.... return -il. compre Tolizi; () Tree t= new Animally - compile ERPOR * remove e from graph, run DES/BES to see if patheneds from 5 to t. If yes than cycle. 7) Carte ERRORS · cumpile EARDR: Cat C= (cat) new Doy(); checking whether G has a cycle contains edgre. cost compil- HARDL: Animal a: (animal) new Tree (); · nogate edges, run MST: Primilkrustal ; return set of edges not in MST. Rumine GREAN: Dog d = (Dg) new Animall; and dummy start villex's to end virth at from set of start 5, and tell end en. Run dikther from source to end connecting all start and dummy note connecting all en. Run dikther 3) shortest path from any statt willow to end virital from set of start s, and set of all e 2) set that when removed, no Mergesolt good for by duta than contrit in memory. 4) If a DAG has a poth that traverses every vertex, then its topological sort = unique that vinto vertex | time

5) To run factor than no. Quicksoft good for randomly shuffled list of interno. 5) To run faster than Opericas and much spt, and weights are burged 1-tg connect graph with me graph which the thinks are burged 1-tg connect graph with me graph which the thinks are burged 1-tg connect graph with me graph which is tribled it the light our separate in well edge and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and just run BES which is tribled in the indicate and indi Bottom Up Dyamic Programming
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intro ways = new intro+1);
mays (0) = 1 I cent 2 cent 4 cent & cent Transport time a separate in more edger and just the BFS which is WHIEL

A path in & that traverses

Proceedings of Deet & be aso undirected connected graph. Give O(V+E) time algorithm to compute a path in & that traverses

Pach edger in the processing to proceedings of the connected graph. Modify OFS such that, you mark each edge direction taken, if toth directions and if yours taken then remove one principle and in an army or uneveloped edges. for (intruin=1; can : 4; coin x= 2) } Fur (int 1= coin; i sn ; i++) 4 each edge in E exactly once in each direction ways (i) += ways (i-win) Taken then remove edge prioritic gody to whom stuck backtrack and tryagam.

7) directed graph to check if all vertices are having one at nort simple path. return mays (n)

public state int quickly what for may (int n) &

free free free worth (n+1);

int (1 may = month (n+1);

may (1) = 1

may (1) = 1

may (1) = 3; id 1; i+1) &

may (1) = may (1) = may (1) = 2) 81 Exaph to where the waght of its algorate (rewgin of use (ounting sort, O(VIE) then add for1) +forz) to the tree and makinge the set ronge I to V. O (E* Alpha (V)) · Y visited ve thus run DFS from vestry, run DFS from vestry trace and waysen)

