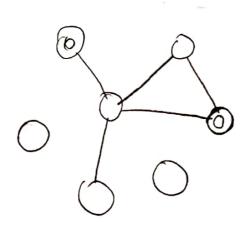
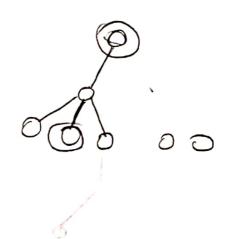
I hereby pledge on my honor that I will strictly adhere

10 academic integrity codes and the work done on this examination will not receive or sive my help from/to any body or source during this examination.

for (int 5=1; 5< 131,257e(); 5++) & > 0-(n) $E c = list.get(j); \longrightarrow \Theta(n)$ $int i = j-1; \longrightarrow \Theta(1)$ while((i > -1) GR ((list.get(i).compare To(c)) == 1)) E $list.set(i+1, list.get(i)); \longrightarrow \Theta(n)$ $i--; \longrightarrow \Theta(1)$ list-set (i+1) current); - > +(n) Tw(n) = (n3) Herotor < E> str = | list. strator(); Herotor (E > itr 2 = list. descending iterator (); for (int j=1; j < list. size(); ++j) & E c = itr. next(); While (1str 2. has Preu () 88 str 2. preu (). compose To (c)==1) } itr. setNext (str). next())? Ttr 2. preu (); Ttr 2. setNext(c); 1+12 = list. descending teator ();





We are create a tree from given mode as being root.

and using bread first search method. using array parent

and discovery Order array we create a path from given

node to k integer value. Then sum the number of nodes

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