Lauren Magee CS 303 HW # 6 (0dds) Ben Teig 1) show the result of removing the #80 from the following heap. Show the new Leap and its array representation. 0 0 Array: 76,37,74,26,32,39,66,20,69 18, 28, 29

3 Write a compare function class that inserts Person objects in a priority queue based on the number of dependents a person has. the person object with the largest # of dependents should be removed first. class Person & public: int dependents; // assign number of person String person Name; If give Name to parent | guardian int compare (ob; Ind1, obj Ind2) & if (Ind1 < Ind2) & dependent q. plush (Ind 2); // 50 the Ind 2 = Ind 2 = Ind 2 nextly else Elaundent-q. push (Inol 1);

Ind 1 = Ind 1. Kext(); //gives it the next object

to compare to the remaining
object int main () > priority quine < person, vector < Person, Compare 7

// create people here through Person dependent// assign values to each object's dependents dependent-q; int individuals = # of objects; While (priority-queue. sizel) != individuals compare (ind 1, ind 7); // Loops until all objects are insurted into the queue

3 What would the Huffman code look like if all symbols in the alphabet had equal frequency? alphabet = 210 letters so 26 child nodes I ned for ale t results -"turns out to be a complete binary tree