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Monste pseudo cocle for Kouskal's algorithm.
Koushal's Algorithm
perocedure konuskal (G, h)
Input: A connected undisacted graph G=(V,E) with edge weight we.
Output: A minimum spanning toree defined by the edges X
Jos all ueV:
   makesetlu)
X=17
Sout the edges E in mon-decouasing ouder of weight
fon all edges ?u,v? EE, in incorpasing onder of height:
    & find(w) + find(v):
        add edge Eu, v3 to X
        union (u,v)
procedure makeset (x)
 TT(x)=x
 mank(x)=0
 Junction find (x)
 whele x + T(x): X=TI(x)
  sutcion x
 peroceduse union (x, y)
 on = find(x)
 Dry = findly)
  if 91x = Dry : Dutuoin
  if eankleix) > eankley):
     \pi(\theta_{\text{W}}) = \theta_{\text{X}}
  else:
      17 (91x) = 91y
```

if eank(x) = eankly): eankly) = eankly)+1 Use the algosithm to find the minimum cost spanning true foot the graphs given below. 1 3d,e3 3e,83 2c,d3 2a,b3, 2b,e3 2g,h3 2i,j3 2a,d3 2c,g3 2e,i3 2a,c3 Edge ans Step 1:-Weight 1 3 3 3 27,13 21,13 26,23 24,13 29, k3 24, k3 2 k, 13 25,13 5 5 6 7 8 9 Btep 2:- Smallest edge = Edies -> Edgo nith smallest neight Step 3:- (i) (in) (in) (iv) (v)



