

K=3 xe, tai troy Qn Backtracking with Branch-and-Bound-TSP > có 1 to route visit all points LOVRP - co k routes visit all points. Modelling: [X[1..n], XTi) la drêm tiep sheo Y[1..K]: Y[k] la drêm tier theo ûn drêm O trên route via xe thú k $\Rightarrow \begin{cases} Y[1] = 3, \ Y[2] = 5, \ Y[3] = 6. \\ X[1] = 9, \ X[2] = 1, \ X[4] = 0, \ X[5] = 2, \ X[6] = 7. \\ X[7] = 4, \ X[8] = 0, \ X[9] = 0. \end{cases}$ · Cau BT truise X[1-.n] -> TRy(k) this g/th cho X[6] CVRP_TRYX(k); this glai des X[4] Try/(k): mig (+i cho /[k].

TRy Y (k)//shi g/thi cho Y [k] This tie duyet: Duyet gia the dro for ve E } . - . - ? do fig check \(v, k) then >[1-. K], Voi moi b8 g/thi via V[1.-K], ta dujet cacg/tri dro X[1-N] de XDl8 [w] = [w] ig k=kthen Tmx (M) This can xe xD x or lo trich on chis xe k sè chuyén say xD lo trib cho xe Vik xe ginnhau TryX(i,k)// xD diem stier theo
ces diem i frês
route[k]
for $0 \in \{---\}$ if check \times (v, i, k) then , Total segments: N+K if of then/home[k]

if then solution()

lets Tryx(v,k);

. bad[R]: lists, has then ke k. Try X(i, k) // im dientry theo X[i] cuin dien i tren route[k]. in Segments st gregments de diationsited for v=0 N do

fig dreck x (v, i, k) then . Visited[0]=tme: v tà dièc visited-· Jonin: de dais en a best solution g: tôn quas stras de di qua. LX[i]=a; risiteq[o]= Lme; J= j+ c[i, x[i]]; load[k]+= d[0]. 1 nb seg ment = nb seg mend (+)1; try/(k) /[1]</[2]< .. </[k] if v=0 then // quay vé tho for $v = y[k-1]+1 \rightarrow n-|k+k|$ do if check (v,k) then fig k = | (then solution () else Try X (Y[k+1], k+1): [">[k] = 0; visited[o]=true; iz k= K then Try X(X[1], 1)
ele [Else Tryx(0,4)/ ** ** ited[v] = felk)

\$ = j - C[i, x(i]]; lood[k] = load[k]

nb segment = nb segment -1; Tryy (k+1) 1=1-c[0]= jalge 1=1-c[0, x[k]]: load[k]-; d[0]; nb legneds = nb legneds -1;