## as-TSP bestfirst

back tracking vs br & bound => depth 1st, all possible NOT min possible iow, compare every res

=) time consuming

reduced cose = 25

finding cost 0-0

1) make 1st row & 2rd col all Od's.

3 con4 go buck @ → 0, so 00

3 dheck most is reduced:

col min's 02 y V

$$C(3) = C(1, 2) + \frac{r}{r} + \frac{\hat{r}}{\hat{r}}$$
ori redered new cose r
$$= (0 + 25 + 0)$$

$$= 35$$

Do same thing for 3, Q, E => ( ) C=25 C=35 (=53) (=25) (=23) (5) 5

choose least cost 3@

from here:

$$C(6) = C(4, 2) + C(4) + \hat{r}$$
  
= 3 + 25 + 0 = 28

(6) do same for rest npper = ∞ =) (2) 2 (4) (4) ← leaf up upper => upper = 25 -> 28 then kill every node > 28 => killed other nodes w/o the bat

·. TSP: 1->4->2->5->3->1