Time tabling Problem 8 water number tries Granar aga, DO, D1 (not satisum) store ago m, store 09 PI D2 3 con flicts. 1 Teacher Room In (D1.P0): (3) class conflict of Ti: अस् Glament व्यक्ति कार्या कर्णा कार्ति। ने यह की लास रा = 2-1= =1 conflict of Te = 0 T3 = 1-1=0

* All-possible timetuble, each of them oris Action benjomm marin Bris see ading reighbon

(-period-1) total successors.

succession of again the best in with forcement of कित क्या हिए। क्रिक्ट मागु में महिल है।

Hill climbing!

state S = get Init state (); vir file ruad while true) pria = new Preionity Queue () 3(3 vir state 3721) बि श्रेष श्रीति श्रीहर

Pria add Au (s. get successors;) [aroung limbed list]

best = Prig. rumove ()

if (s. cost < best cost)

ruturm s

eza effecient but -preioreity quem wel 3,70, code कहा जिल्हा जाति

S = best.

Local beam rearch: a just Gartes initial state state [] s = get mit states armay (o grev (o mis Local beam search! while trave ()

). Pria = new Priority a

for i=0 to (b-1):

Pri & add ALL (s[i]get Successors())

but = prila romore ().

if SIO] cost < best Cost.

returns [0]

SIO] = beat

```
i=1 to (K-1)
              s[i] = priQ. ramove ()
          just best ar fara, rundomly Par,
Stockastic:
Hoordomoren
       state[] s = getInitstate()
       While (true)
          L = now Array List ()

For i = 0 to (K-1)
       LaddALIT = (SII) get successors();)}
       man Cast = .....
       L' = new Armay List ()
```

for cache recess i=0 to (1. size)

$$m = (m \text{ ancost} + 1) - n \cdot cost$$

for j=0 to n-1

L'. add (i)

of iterations

$$(5+1)^{-3} = 1$$
 $(5+1)^{-3} = 4$

Random restant!

visiz succes mandom rusteurt

get Imit state .

/ hattynote

number of Teachers.

n Classer.

n Room

for e= 0 to (n Room -1)

for c= 0 to (n class -1)

For t= 0 to (n Teachorn -1)

n= scanf.
for (i=0 to (1-1))

Random number of total number of periods.

them place this element combination in this period.

get successons ()

List =

for each ferriod P.

for each element e e P1

For each ferwood, P2

cruate a new state that is identical to the state.

expects such that
P1 doesn't contain P2
doesn'

15 (0 3716). LOWONC 26/3.