```
Assignment
                                    Machine Learning
                                Algorithm for the following dataset.
Apply Candidate - Elimination
       origin Manufacturer
                                                    TYPE Target
Concept
                                  Color
                                         Decade
                                           1980
                                  Blue
                    Honda
                                                    Economy
        Japan
 1
                                                    5 POVED
                                  Green
                                           1970
                    toyata
        Japan
2
                                                    ECONOMY
                                                              +
                                           1990
                                  Blue
                   royala
       Japan
3
                                                   Economy
                                 Red
                                           1980
                   Chrysler
        USA
4
                                                    Economy
                                           1980
                                 white
                    Honda
        Japan
5
Firstly Initialize Go and So
                                                 / First intence
S_{o} = (\phi, \phi, \phi, \phi)
                                                11 gecond Enfance
5, = (Japan, Honda, Blue, 1980, Economy)
                                               11 Second Entence
5. = 65,
5 = (Japan, ?, Blue, ?, Economy)
                                               11 Third intence
54 = (Japan, & Blue, & Economy)
                                               / Fourth Entrance
5g = (Japan, &. P. R. Economy)
                                                         instance
                                              11 Falth
95 = (Japan, &, &, &, Economy)
 94 = (q, 2, 13lue, 8, 8) (Japan, 7, 8, 8, Economy)
 94 = (2, 2, Blue, 2, 2) ( Japan, 2, 2, 2, Economy) (USA, 2, 2, 2, Economy)
      (q, Honda, q, q, Economy) (q, chry Alen, q, q, Economy) (q, Toyato, 2, q, Economy)
      (1.8. Red, 2. Economy) (9,8, white, 2, Economy) (8,8,8,1980, Economy)
      (2, 2, 2, 1970, Economy) (8,2,8, 1990, Economy) (8,8,8,8,8,900+x)
 83 = (2, 2, Blue, 2, 8) (2, 8, 8, 8, Economy)
 80 = ( & Houda, & & & ) ( & & Blue & & & ) ( & & 1480 & )
                   ( $ , $ , 8 , 8 E CO LOWY)
9= (USA, $, $, $, $) ($, Honda, $, $, $) ($, Chry Men, $, $, $)
      (2,2, Blue, 2,2) (2,2, Red, 2,2) (2,2, white, 2,2)
       ( $ ' $ ' $ ' 180 ' $) ($ ' $ ' $ ' 180 ' $) ( $ ' $ ' $ ' $ ' ECONOMÁ)
Go = (8, 8, 8, 8, 8)
```

There are the final set of hypotheses which Condistant with the training instance.

(3) Apply List-Then-Eliminate Algorithm to the following data get to generate the version space.

Ex	· Sky	Temperature	Twiget
1	gunny	High	yes
9	gunn y	Normal	Aq
_	Rainy	High	No
5 4	Rainy	Normal	No

Number of Instance

$$= 2x J = 4$$

Syntatically distinct hypothesis

7

GARA Condistant hypothesis

8. ombat

(Sunny, ?)