CANDIDATE ELIMINATION wes version space GONCEPT LEARNING 4) considers both the and we results. - General Hypothesis - Specific Hypothess 4 we have both specific and general hypothusis → Version Space. → for a +ve example: S= { \$, \$, \$, \$--- \$} we tend to generalize specific hypotheris G={?,?,?....?} → for a -ve example: S= { \$ \$ \$ \$ \$ \$ \$ } we tend to speci make general hypothusis more specific. 9={2???}

ALGORITHM:
>>> Initialize G and S as most general and specific hypothesis

>>> For each example, e:

1t e is the:

-> Make specific hypothesis more general [FIND-S]

else:

-> Make general hypothesis more specific.

Concept: Days on which person enjoys sport

Data set							
Example	Sky	AirTemp	Humidity	Wind	Water	Forecast	EnjoySport
1	Sunny	Warm	Normal	Strong	Warm	Same	Yes
2	Sunny	Warm	High	Strong	Warm	Same	Yes
3	Rainy	Cold	High	Strong	Warm	Change	No
4	Sunny	Warm	High	Strong	Cool	Change	Yes

Canchidate Elimination algorithm
So = { 9 9 9 9 9 9 9 9 , Go = { ???????>
Training seimple 21 = (Sunny warm, Normal, Strong, warm, same) +
SI = < Sunny warm, Normal, Shong, warm, same 3
90 = 2 7. 7. 7. 7. 7. 7. >
I Yz = · < sunny, warm, High, Strong, warm, same > +
No change in G2
$G_2 = \langle ??????.\rangle$
12 7/3 = < Rainy, evid, High, Strong, warm, Change > (-) 55 Since x3 (15 (-), Fram from buttom.
No change in 53. (mamarch) (generalize) (mumarch) (generalize) (strong, warm, 5 a.m. >
1 (2) = S/Summy 22222 > < 7 warm 2222 > < 2227 ? same
Cathring Sameple X3 cum \$3. If
any mismatch, write me altribute in 43 h 44
Remaining authbulles are 19-1

313= 1< sunny, ?????> <? warm?????> , <?????5am> 714 = < summy, warm, High, strong, cool, change) + 53 = < sunny, warm, of strong, warm, same > S3 = < (Sunny, warm, ? strung, ?, ?)

Crake

(sake)

(sam achew value) acheire In G3, < ? ? ? ? ? ? Same Li II accepts only There is a contradiction between Now G4 = << sunny 33333>, These two so we have < 2 warm 27.7.7.> to remove his som 63] Final hypomosis 54 = < sunny, warm, ?, shong, ?, ? > ay = { < sunny, ????? > , < ? warm ????? > [we have 6 sensistent hypothesis] version space Sy = { < sunny _____?, shang, 2, ? > } version (Sumy ?? Snong??) (Summy, warm, ????? > <? warm, ? shms,??) Space Cy 2 { < sunny, \$???? > , <? cwarm????? > Compare 64 win sy autombute by dethibute If any molematch when mad attropute)