Day	Temperature	Outlook	Humidity	Windy	Play Golf?
07-05	hot	sunny	high	false	no
07-06	hot	sunny	high	true	no
07-07	hot	overcast	high	false	yes
07-09	cool	rain	normal	false	yes
07-10	cool	overcast	normal	true	yes
07-12	mild	sunny	high	false	no
07-14	cool	sunny	normal	false	yes
07-15	mild	rain	normal	false	yes
07-20	mild	sunny	normal	true	yes
07-21	mild	overcast	high	true	yes
07-22	hot	overcast	normal	false	yes
07-23	mild	rain	high	true	no
07-26	cool	rain	normal	true	no
07-30	mild	rain	high	false	yes

$$\frac{9}{5} = \frac{9}{14} \log_2 \frac{9}{14} - \frac{5}{14} \log_2 \frac{5}{14}$$

$$= 0,94$$

Ten
$$\frac{27}{4 \text{ cool}} = 1$$

Ten $\frac{4}{4 \text{ cool}} = \frac{3}{10} \rightarrow E = 0,811$
 $6 \text{ mild} = \frac{4}{20} \rightarrow E = 0,918$
 $Cain (Ferm) = 7,94 - (\frac{4}{14}.1 + \frac{4}{14}.0,891 + \frac{8}{10},997)$
 $= 0,029$

Sharry ($\frac{2}{3}$) $\rightarrow E = 0,971$

outlook $\frac{4}{4}$ overcast $\frac{4}{3}$ $\rightarrow E = 0$
 $\frac{5}{10}$ $\rightarrow E = 0$
 $\frac{3}{10}$ $\rightarrow E = 0$

$$= 0.247$$

$$7 high (34) -) E = 0.985$$

$$+ W$$

$$7 ralmal (5) -) E = 0.591$$

$$= 0.94 - (2.0, 385 + 2.0, 591)$$

$$= 0.152$$
Windy (6 time (3) -) E = 1
$$= 0.811$$

= 5 Garm (tern) $= 0,971 - \frac{2.0+2.1+1.0}{5.5}$ = 9571 = 9571 3 high < 3N > E = 0 2 nermal (2x -) E = 0=) Gain (Humidity) = 0, 971 - (3 .0 + 2.0) =) Hoan thanh mhah

(tain (Windy) - 0,971- (2 - 0 + 3 -) =) Chon Windy
H. =) Hoan thanh nanh nanh

Decision Troe

Sunny over ast

Windy hwide Nonnel