$$2100 \text{ k woods} \implies 5100 \text{ k newtones} (41 \text{ Ven 512e})$$

$$\text{Log}_{2} (100 \text{ k}) \cong 17 \text{ hits}$$

$$P(FP) \cong 10^{-4} \implies 29...$$

$$\text{Log}_{2} (\frac{m}{E}) = \frac{30 \text{ hits}}{30 \text{ hits}} \implies 30 \text{ hits } 100 \text{ k} = \frac{3000 \text{ k int}}{24500 \text{ kB}}$$

$$\text{Log}_{2} (\frac{m}{E}) = \frac{30 \text{ hits}}{1000 \text{ k}} \implies \frac{3000 \text{ k int}}{24500 \text{ kB}}$$

$$\text{Log}_{2} (\frac{m}{E}) = \frac{3000 \text{ k int}}{1000 \text{ kB}} \implies \frac{3000 \text{ kB}}{1000 \text{ kB}} \implies \frac{3000 \text{ kB}}{10000 \text{ kB}} \implies \frac{3000 \text{ kB}}{1000 \text{ kB}} \implies \frac{3000 \text{ kB}}{1000 \text{ kB$$

MEMORY STORE SENCENCES MEMORY DXM

10-6 10-3 1 P(FP)

OPIGINAL FILE SOOKB 7,5B/wood
WORD 2 400KB

SHSENGENCES 2 LOOK

EACH SENCENCE 2 23 BYTE

Sentence = (words, sends)

F(nontine)
$$\rightarrow P(FP)$$

F(und 1) + F(unds) $\rightarrow F(nontines)$

Send

S = (ws, ws)

Fx(S)

Fx(S)

Fx(Ws) + Fx(Ws) $\rightarrow F_{\kappa}(--)$

Kins

S $\rightarrow F_{\kappa}(ws) + F_{\kappa}(ws) \rightarrow F_{\kappa}(--)$