Cenucial G

	I NORTH	Sey.		
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2024 PSC: COM			SOA) EHE	7.2
2000				SUNUS

$$\frac{P(X|B) = \sum_{k=1}^{k} P(X|Z,B) \cdot P(Z) = \sum_{k=1}^{k} T_{k} M(X|M_{k}, Z_{k})}{K}$$

$$\frac{P(X,Z|B)}{\text{dim}} = \frac{1 \cdot k}{1 \cdot k}$$

$$\frac{P(X,Z|B)}{\text{dim}} = \frac{P(X_{n},Z=K) = P(X_{n}|Z=K) \cdot P(Z=K) = M_{k}(X) \cdot T_{n}}{2M_{k}(X)}$$

$$\frac{P(Z|X,B) = P(X|Z) \cdot P(Z) = T_{n} M_{k}(X)}{2M_{k}(X)}$$

 $\Theta = ? [M, Z, \pi]$

E-wan
$$g = p(z=k|X_n, \theta) = \frac{\pi_k}{2} \frac{M_k(X_n)}{2\pi_k N_k(X_n)} = g_{nk}$$
 $Z = g = (g_n, g_n)$
 $M - wan$ argundo $|E_{op}| Cog p(X_n, 2|\theta) = g_n$
 $= \frac{1}{2} p_{gx}(2=k) \cdot log p(X_n, 2=k|\theta) = g_n$
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