= Mgmm (P(Z1x, At), 129 P(x 210) d = arg max (P(Z1x,0+) log P(x,218) d2 1 8 = 049 max FLED = orginax (9/2) (29) (29) 9/2) d3 LOGPCX102= ELBO + KL (911 P) (KL(917970) Logrino) Ti ELBO I

E-stop:  $R_{12}(x, 0^{t}) \rightarrow E_{21}(x, 0^{t})$   $M-stop = P(12)(x, 0^{t}) \rightarrow E_{21}(x, 0^{t}) [\log P(x, 10^{t})]$   $M-stop = O^{t+1} - argmont = E_{21}(x, 0^{t}) [\log P(x, 10^{t})]$   $\log P(x)(0) = \log P(x, 10^{t}) dS = \log P(x, 10^{t}) = \log P(x, 10^{t})$   $= \log E_{23} = \log P(x, 10^{t}) = \log P(x, 10^{t}) = \log P(x, 10^{t})$   $= \log E_{23} = \log P(x, 10^{t}) = \log P(x, 10^{t}) = \log P(x, 10^{t})$   $= \log P(x) = \log P(x, 10^{t}) = \log P(x, 10^$ 

EM Algorithm & -c.grax P(x10) = agray by P(x10)

100 P(x10) = ELBO + KL (Q11p)

2 ELBO

100,0)

(12) 可能成为了PC21 为9)
(11)(20年, 10g PCX1 18) 国建, ELLO), KL(q!) 少加当多求 (mgnin KL(q!) P) = angmax L(q,19)

国定 2, B = Org max L (2, 19)