y=... + a + v (space L'i'd.

Rowik this as

[= -- + 12(4 & Vi-g' 4V + Ve u)

So that 2 = 0 corresponds too an i'd model

Sinu Van (VI-gl v + Sept)= 1-e + e = 1

Elen the prior for I remains unchanged.

So the reference is the distribution to  $V_{0}$  is. N(0,1).

and pass of incorecase, then we mix in deprender,

all the way to g=1. Note that the actual every

of penametisation of  $g_{0}$ , as  $V_{0}=1$  and  $V_{0}=1$  and  $V_{0}=1$ .

instruction. [as large as  $V_{0}=1$  of  $V_{0}=1$ ].

VI-elV+ Sq' u a N (O y Var = (1-0) I + e & )

gen.inv program

scaloch

So we need the KL between.

und

Von = (1-e) I + e e - 1

Von = I

wakes this a bit awkwad

for large dim (Q).

(z)we need for the KL, to compute (1-e) I + e Q-

or, of court, [[-93+EB1]]

Now wring that [149, in MC]

(I+A-1)-1 - A (A+J)-1

we get  $\left( (1-e)I + \{e\} \right)^{-1} = \left[ (1-e)\{I + e e^{-1}\} \right]^{-1}$ 

= [ (1-2) { I + (1-1-4) }]

= 1 [ 1-e Q ( 1-e Q + I ) -1]

 $= \frac{1}{i} Q \left( \frac{i-e}{c} Q + T \right)^{-1}$ 

50 | (5" | = 1 | 9 | / 1 = eq + I |

6 | \[ \left( \frac{1-e}{e} \text{ | } \frac{1-e}{e} \text{ | } \frac{1-e}{e} \text{ | } \frac{1-e}{e} \text{ | } \frac{1}{e} \text{ | } \]

Some détails.

3

when 
$$v N(0, 92)$$
 [Qz scaled] an  $v N(0, I)$ 

So lost 
$$W = \begin{bmatrix} w_1 \\ w_2 \end{bmatrix}$$
 where  $w_2 = u_3$ 

and it (w) is found from

$$= -\frac{1}{2} w_2^T \left[ Q_2 + \frac{2}{T} \frac{T}{1-\rho} \frac{T}{1} \right] w_2 - \frac{1}{2} w_1^T \left[ \frac{T}{1-\rho} \frac{T}{1} \right] w_1$$

$$= -\frac{1}{2} \left[ w_1^T w_2^T \right]^T \begin{bmatrix} T \\ T_{-2} I \end{bmatrix} - \frac{\sqrt{eT}}{1-2} I \\ Q_2 + \frac{e}{1-2} I \end{bmatrix} \begin{bmatrix} w_1 \\ w_2 \end{bmatrix}$$

not included

Novu const  $\left(\frac{1}{\sqrt{2\pi}}\right)^{2\cdot n} \cdot \left(\frac{1}{\sqrt{2}}\right)^{n/2} \cdot \left(\frac{1}{\sqrt{2}}\right)^{n/2}$