

$$\det \begin{pmatrix} I & I+B & I+C \\ I+B & I & I+D \\ I+C & I+D & I \end{pmatrix}$$

$$\mathbb{I}(\mathbb{I})$$

$$F[f'(t)f'(t)] = \frac{7}{8}$$

$$\Rightarrow \underline{\underline{F[2f'(t)f''(t)] = 0}}$$

$$\begin{pmatrix} 1 & 1+b & 1+c \\ 1+b & 1 & 1+d \\ 1+c & 1+d & 1 \end{pmatrix}$$

$$1 - (1+d)^2 - (1+b)(1+b - (1+c)(1+d))$$

$$+ (1+c)((1+b)(1+d) - 1+c)$$

$$= -2d^2 - (1+b)(b-c-d-cd)$$

$$+ (1+c)(b+d+bd-c)$$

$$= -2d^2 - b + c + d + cd$$

$$= b^2 + bc + bd + bcd$$

$$+ b + d + bd - c + cb + cd + bcd - c^2$$

$$= -d^2 + 2cd + b^2 + 2bd - c^2 + 2bc + 2bcd$$

$$= \underline{\underline{-(d+b+c)^2}}$$

$$= -\left(\frac{1}{\sqrt{2}}(d-c)\right)^2 + \left(\frac{1}{\sqrt{2}}(d-b)\right)^2$$

all, b, c, d
are small!