```
Strees components in thick-would cylinder
 r: 0.5 cm ro: 0.55 cm 12-15 MPa @ r: 0.53 cm
Jo: (0) +1
                      σr: -p ( ") -1
    (10 ) - 1
 7: P. 50.55 1.1
= (0.55) + 11

(15) = 151.7 Mac
                          (0.55) 1-1 = 106 MA.
J' = (0.52) -1 (-15) = -8.5 M.
  thin willed cylinder
    r= 2 = 0.5 to.55, 0. 505 cm
 To ph To PK
00 = (15/(0.505) = 157.5 MA.
 J(0.05) 78.8 MA
```

Mex itees in full pellet from them expanses 0 = 12 × 10 1/k DT = To - Ts = 425 K R == 0.5cm E= 180 GAL 7= 0.25 o*: dE(To-To)
4(1-7) or = -0, (1-4,) To: - 0 (1-3 m) m= == 0 = - 20 (1-2n) mex streij? > To > r= R= $\int_{A} = \frac{A}{(1740)(180 \times 10, 10)(492)} = 318.8 \text{ Wha}$

OF = - 318.8 (1-3 (1-)) = 637.5 MAG

Cladden the v/ thermal expansion

$$R_{-}: 0.6 \text{ cm} \quad t_{c}: 0.1 \text{ cm} \quad E: 250 \text{ GPa} \quad v: 0.3$$
 $t_{c}: 15 \times 10^{-6} \text{ /k} \quad T_{c}: 400 \text{ k} \quad T_{c}: 580 \text{ k}$
 $57: 30 \text{ k}$
 $57:$

Oup thickness change

of = 12x10-6 /k

de= 12x10-6 /k To = 925 K To = 550 K To = 300 K RF= 0.5 cm Rc = 0.58 cm 6/ 0.03 cm Sty: Rede (Te-To) - Rede (Te-To) = 0.58 ((5×10")(250) - 0.5 (12×10")(635) - 0.00375 = -0.0016 cm = 0.002175

bj = ? = tj r Otj = 0.03 - 0.0014 = /0.0394 cm/

$$\frac{1}{12} = \frac{1}{12} = \frac{1}{12}$$