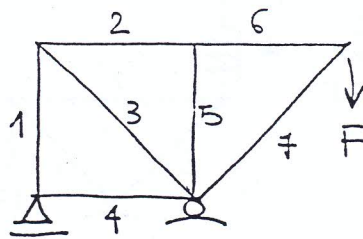


Calcularea la rotaţiune relativă fra la art 1 e 2. μ

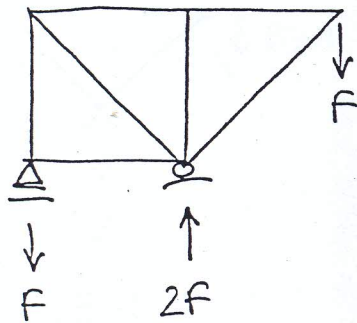
$$EA = \text{const.}$$



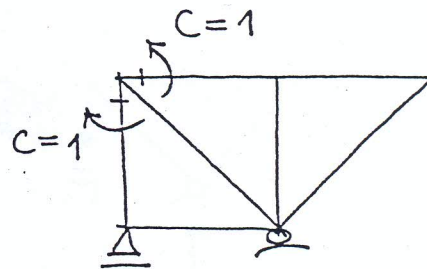
$\downarrow$
 l
 $\downarrow$

$\downarrow$ l $\downarrow$ l $\downarrow$

1)



S.D.

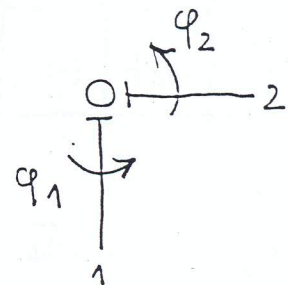


F.S.

$$\Delta \varphi_{12} = \varphi_2 - \varphi_1$$

2)

	1	2	3	4	5	6	7
l_i	l	l	$\sqrt{2}l$	l	l	l	$\sqrt{2}l$
N_i^A	0	0	$-\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	0	0
N_i^r	F	F	$-\sqrt{2}F$	0	0	F	$-\sqrt{2}F$



3)

$$1 \cdot \varphi_2 - 1 \cdot \varphi_1 = \frac{1}{EA} 2\sqrt{2}F$$

$$\Rightarrow \Delta \varphi_{12} = \frac{2\sqrt{2}F}{EA}$$

