	F_1	F_2	F_3	F_4	q_1	q_2	S_1	S_2	S_3	S_4	S_5	S_6	S_7
A1	0	0	0	0	0	q	0	S	0	S	0	S	0
A2	0	0	0	0	q	0	0	S	0	S	0	S	0
A3	F	0	0	F	0	0	0	S	0	S	0	2S	0
A4	F	0	0	F	0	0	0	2S	0	S	0	S	0
A5	F	0	0	F	0	0	0	2S	0	2S	0	S	0
A6	F	0	0	F	0	0	0	S	0	2S	0	2S	0
A7	0	F	F	0	0	0	0	S	0	S	0	2S	0
A8	0	F	F	0	0	0	0	2S	0	S	0	S	0
A9	0	F	F	0	0	0	0	2S	0	2S	0	S	0
A10	0	F	F	0	0	0	0	S	0	2S	0	2S	0
B1	0	0	0	0	q	0	0	0	S	S	S	0	0
B2	0	0	0	0	0	q	0	0	S	S	S	0	0
B3	0	0	0	F	0	0	0	0	S	S	S	0	0
B4	0	0	F	0	0	0	0	0	S	S	S	0	0
B5	0	F	0	0	0	0	0	0	S	S	S	0	0
B6	F	0	0	0	0	0	0	0	S	S	S	0	0
B7	F	0	0	F	0	0	0	0	S	S	2S	0	0
B8	0	F	F	0	0	0	0	0	S	S	2S	0	0
B9	F	0	0	F	0	0	0	0	2S	S	S	0	0
B10	0	F	F	0	0	0	0	0	2S	S	S	0	0
B11	0	0	0	0	q	q	0	0	2S	S	S	0	0
B12	0	0	0	0	q	q	0	0	S	S	2S	0	0
C1	F	0	0	0	0	0	S	0	0	S	0	0	S
C2	0	F	0	0	0	0	S	0	0	S	0	0	S
C3	0	0	F	0	0	0	S	0	0	S	0	0	S
C4	0	0	0	F	0	0	S	0	0	S	0	0	S
C5	0	0	0	0	q	0	S	0	0	S	0	0	S
C6	0	0	0	0	0	q	S	0	0	S	0	0	S
C7	F	0	0	F	0	0	2S	0	0	S	0	0	S

C8	F	0	0	F	0	0	S	0	0	S	0	0	2S
C9	0	F	F	0	0	0	S	0	0	2S	0	0	S
C10	0	F	F	0	0	0	S	0	0	S	0	0	2S
C11	0	0	0	0	q	q	S	0	0	2S	0	0	S
C12	0	0	0	0	q	q	S	0	0	S	0	0	2S
D1	F	0	0	0	0	0	0	S	S	0	S	0	0
D2	0	F	0	0	0	0	0	S	S	0	S	0	0
D3	0	0	F	0	0	0	0	S	S	0	S	0	0
D4	0	0	0	F	0	0	0	S	S	0	S	0	0
D5	0	0	0	0	q	0	0	S	S	0	S	0	0
D6	0	0	0	0	0	q	0	S	S	0	S	0	0
D7	0	0	F	F	0	0	0	S	S	0	S	0	0
E1	F	0	0	0	0	0	0	0	S	0	S	S	0
E2	0	F	0	0	0	0	0	0	S	0	S	S	0
E3	0	0	F	0	0	0	0	0	S	0	S	S	0
E4	0	0	0	F	0	0	0	0	S	0	S	S	0
E5	0	0	0	0	q	0	0	0	S	0	S	S	0
E6	0	0	0	0	0	q	0	0	S	0	S	S	0
E7	F	F	0	0	0	0	0	0	S	0	S	S	0
F1	F	0	0	0	0	0	0	0	S	S	0	S	0
F2	0	F	0	0	0	0	0	0	S	S	0	S	0
F3	0	0	F	0	0	0	0	0	S	S	0	S	0
F4	0	0	0	F	0	0	0	0	S	S	0	S	0
F5	0	0	0	0	q	0	0	0	S	S	0	S	0
F6	0	0	0	0	0	q	0	0	S	S	0	S	0
F7	F	F	0	0	0	0	0	0	S	S	0	S	0

$F=10^5 N$, $S=10^3 mm^2$, $l=1m$, $q=10^5 N/m$

VYPOČÍTAJTE SILY a NAPÄTIA V PRÚTOCH.