Università di Ferrara

Facoltà di Ingegneria

Corso di Laurea in Ingegneria Civile

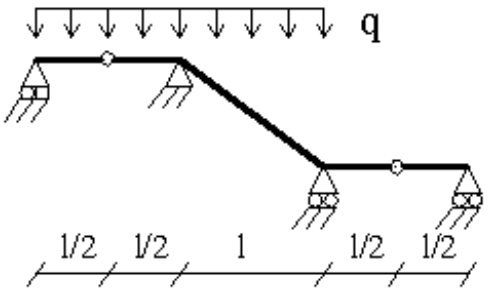
Prova Parziale in itinere di Scienza delle Costruzioni

10/11/2011

Prova –A-

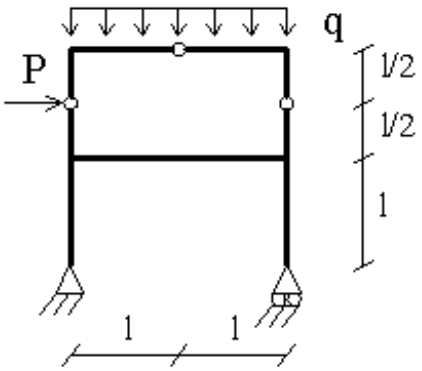
Risolvere le seguenti strutture isostatiche e disegnare i diagrammi delle azioni interne (N, M, T)

1)



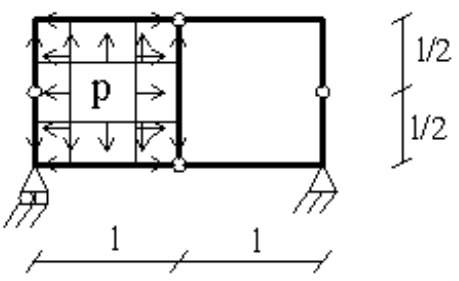
q=20 KN/m
l=4 m
h=3 m

2)



P=60 KN
l=3 m
q=20 KN/m

3)



p=10 KN/m
l=4 m

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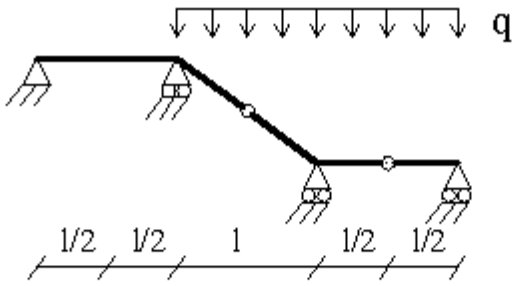
Prova –B-

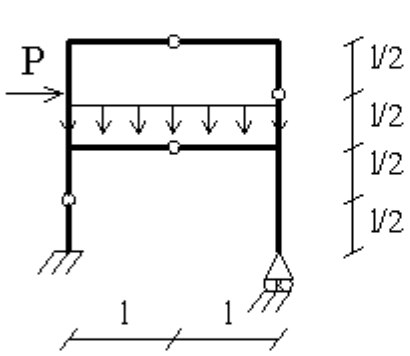
Risolvere le seguenti strutture isostatiche e disegnare i diagrammi delle azioni interne (N, M, T)

1)



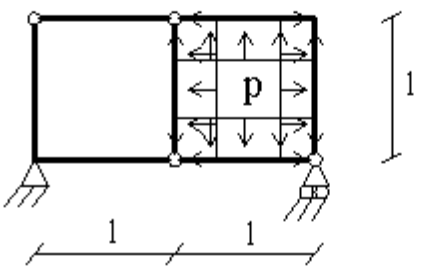
q=30 KN/m
l=4 m
h=3 m

2)



P=40 KN
l=3 m
q=20 KN/m

3)

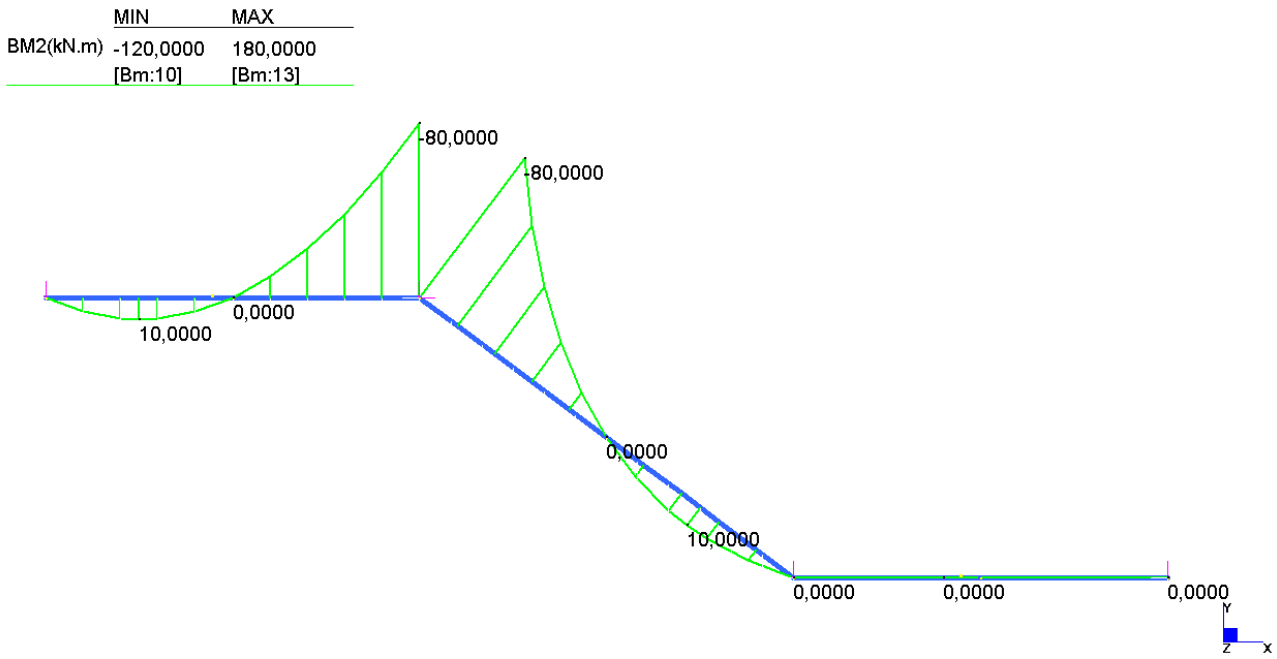


p=20 KN/m
l=4 m

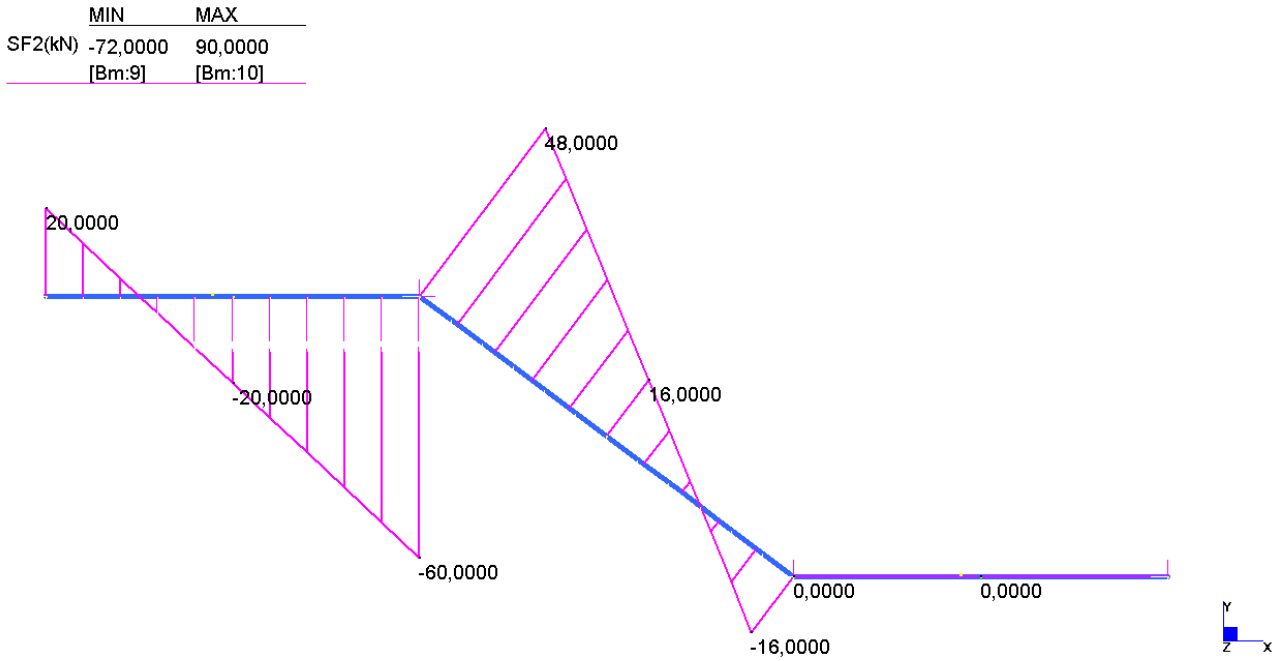
FILA –A-

Esercizio 1

MOMENTO

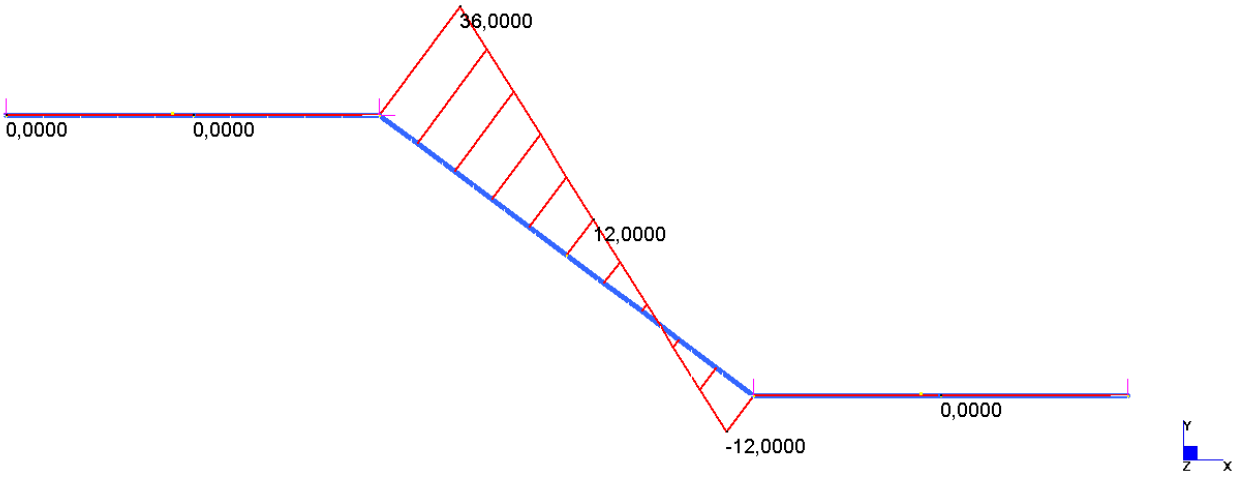


TAGLIO



SFORZO NORMALE

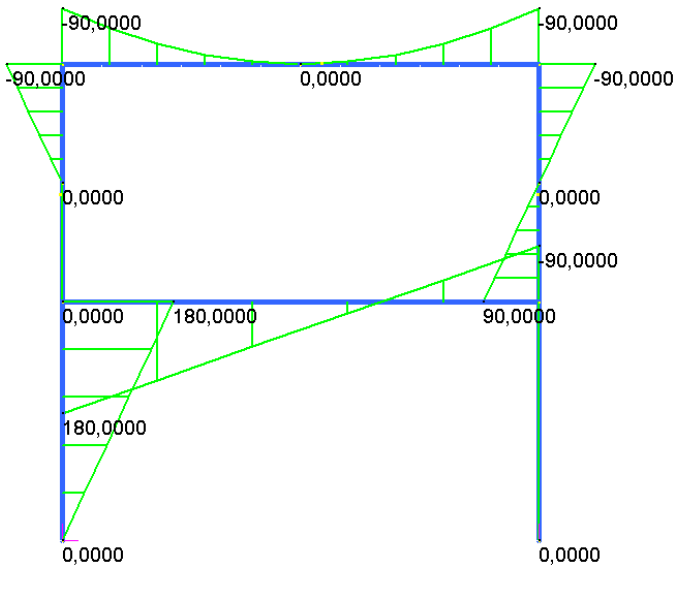
	MIN	MAX
Force(kN)	-105,0000	60,0000
	[Bm:20]	[Bm:21]



Esercizio 2

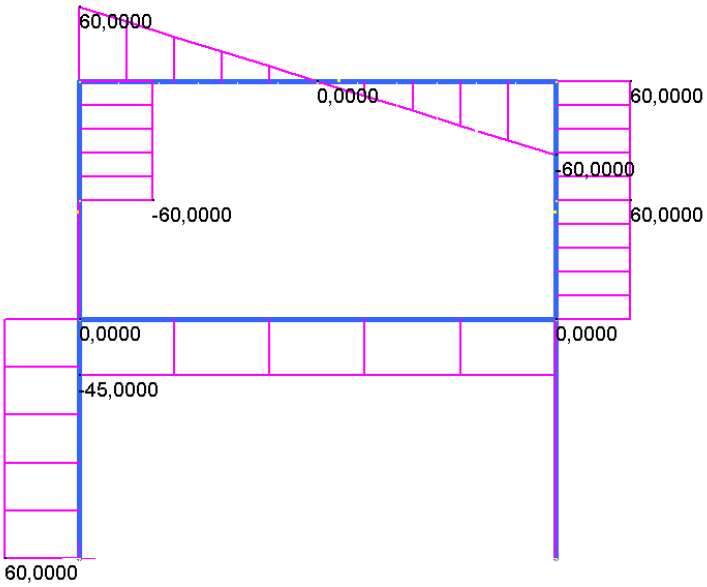
MOMENTO

	MIN	MAX
BM2(kN.m)	-120,0000	180,0000
	[Bm:10]	[Bm:13]



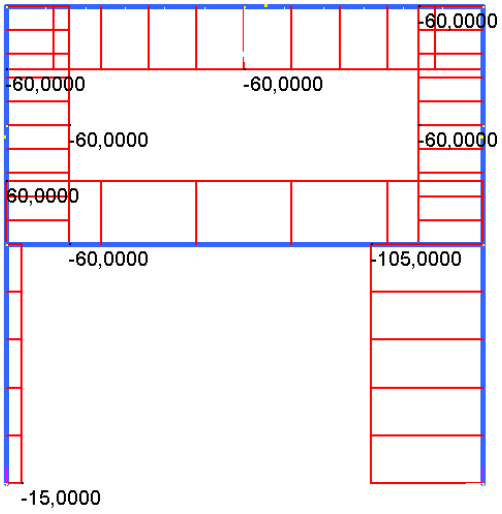
TAGLIO

	MIN	MAX
SF2(kN)	-72,0000	90,0000
	[Bm:9]	[Bm:10]



SFORZO NORMALE

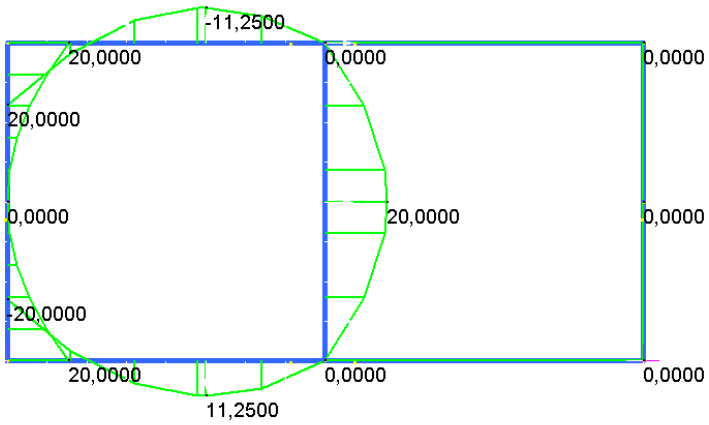
	MIN	MAX
Force(kN)	-105,0000	60,0000
	[Bm:20]	[Bm:21]



Esercizio 3

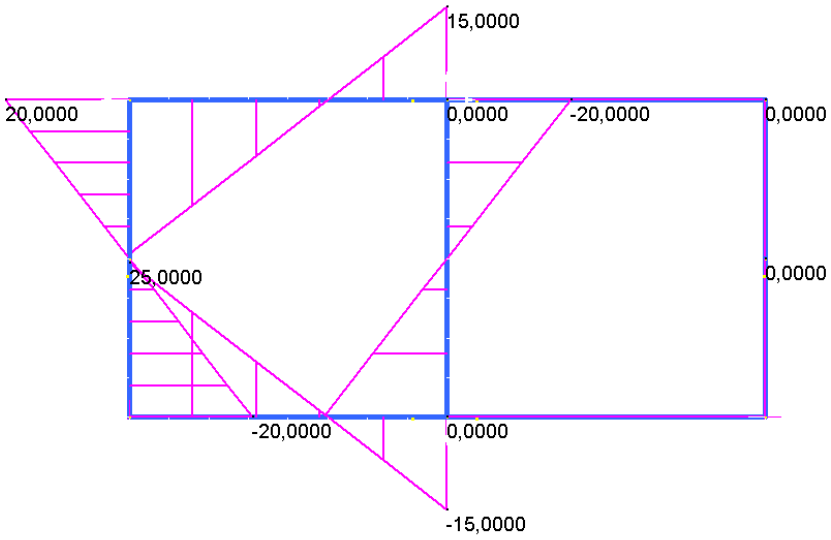
MOMENTO

	MIN	MAX
BM2(kN.m)	-120,0000	180,0000
	[Bm:10]	[Bm:13]



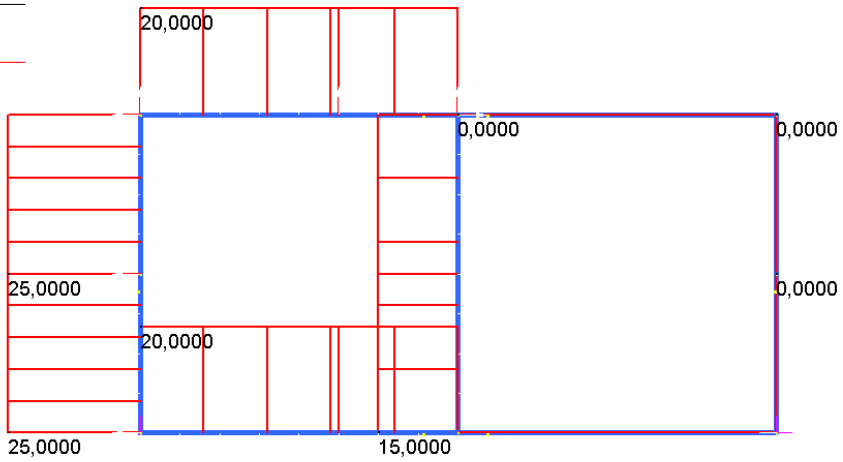
TAGLIO

	MIN	MAX
SF2(kN)	-72,0000	90,0000
	[Bm:9]	[Bm:10]



SFORZO NORMALE

	MIN	MAX
Force(kN)	-105,0000	60,0000
	[Bm:20]	[Bm:21]

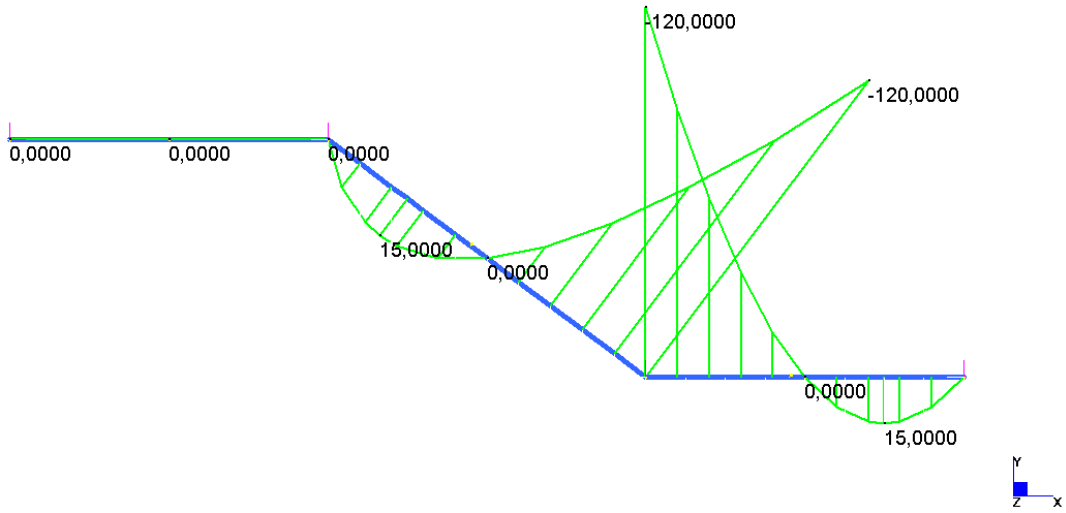


FILA –B-

Esercizio 1

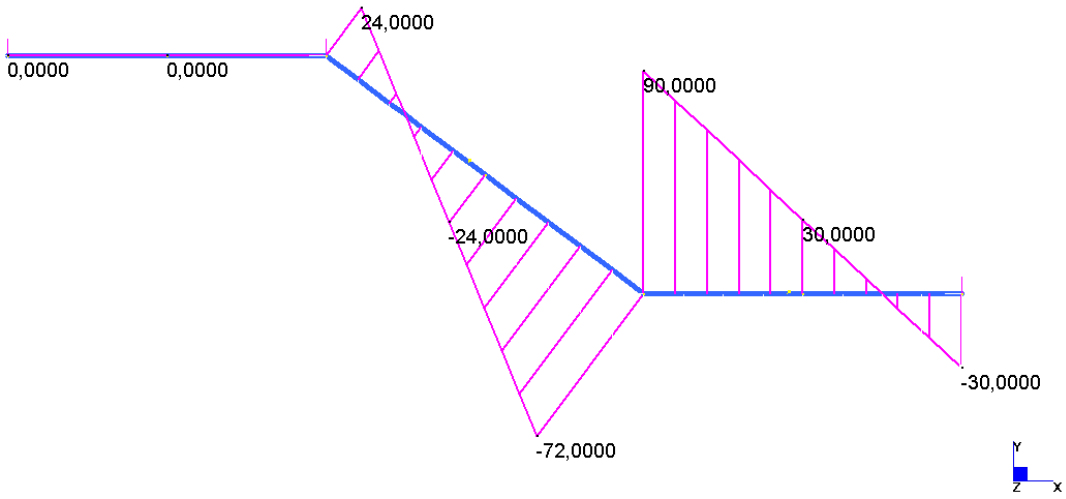
MOMENTO

	MIN	MAX
BM2(kN.m)	-120,0000	180,0000
	[Bm:10]	[Bm:13]



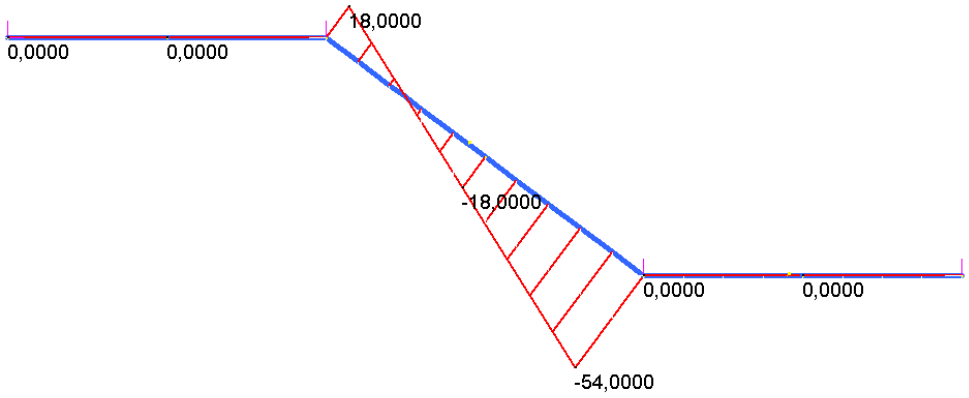
TAGLIO

	MIN	MAX
SF2(kN)	-72,0000	90,0000
	[Bm:9]	[Bm:10]



SFORZO NORMALE

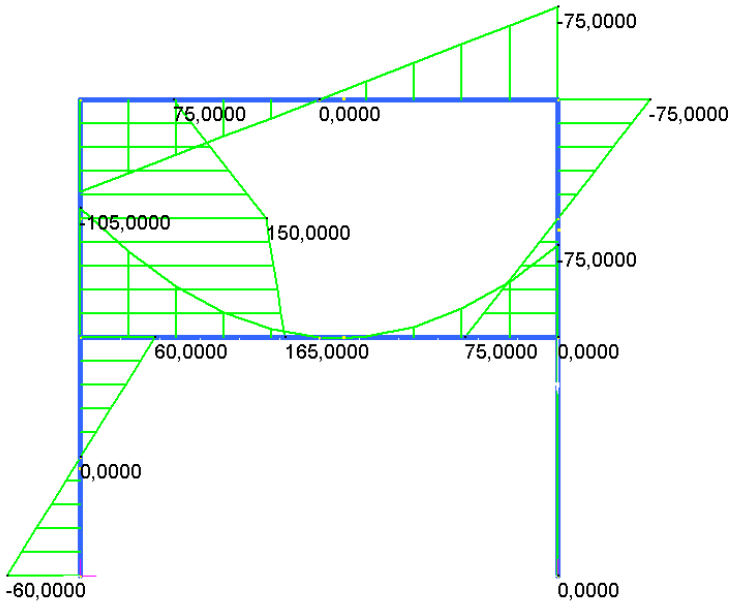
	MIN	MAX
Force(kN)	-105,0000	60,0000
	[Bm:20]	[Bm:21]



Esercizio 2

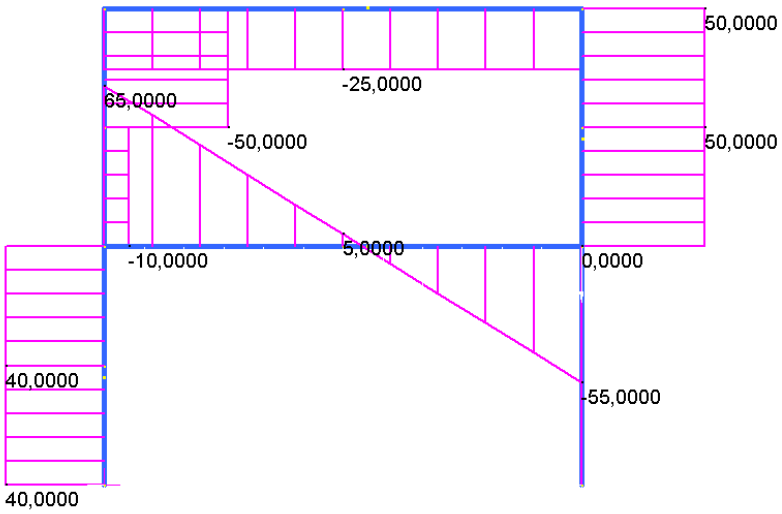
MOMENTO

	MIN	MAX
BM2(kN.m)	-120,0000	180,0000
	[Bm:10]	[Bm:13]



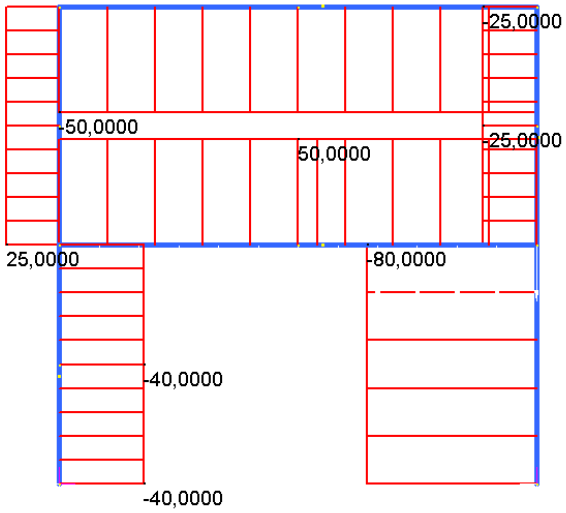
TAGLIO

	MIN	MAX
SF2(kN)	-72,0000	90,0000
	[Bm:9]	[Bm:10]



SFORZO NORMALE

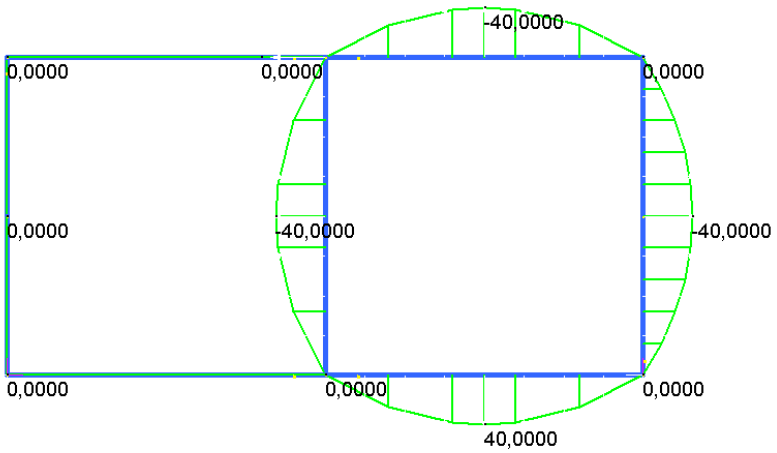
	MIN	MAX
Force(kN)	-105,0000	60,0000
	[Bm:20]	[Bm:21]



Esercizio 3

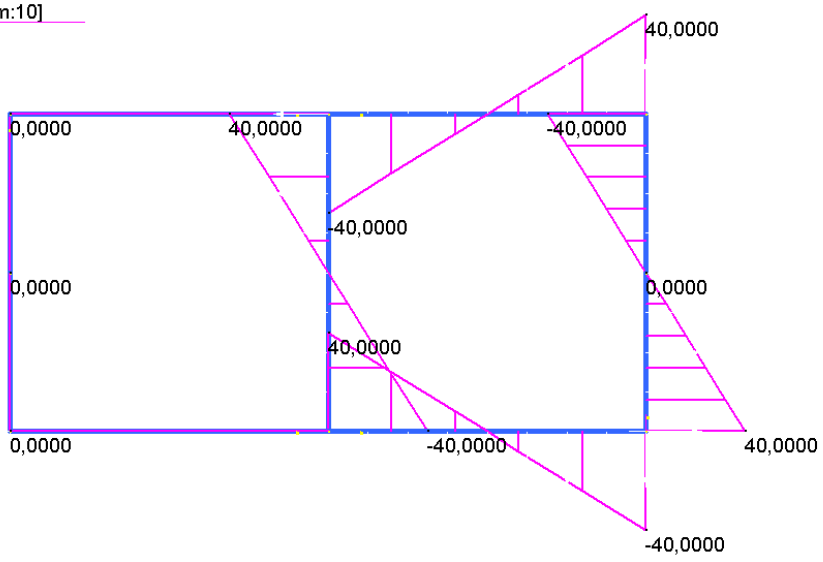
MOMENTO

	MIN	MAX
BM2(kN.m)	-120,0000	180,0000
	[Bm:10]	[Bm:13]



TAGLIO

	MIN	MAX
SF2(kN)	-72,0000	90,0000
	[Bm:9]	[Bm:10]



SFORZO NORMALE

	MIN	MAX
Force(kN)	-105,0000	60,0000
	[Bm:20]	[Bm:21]