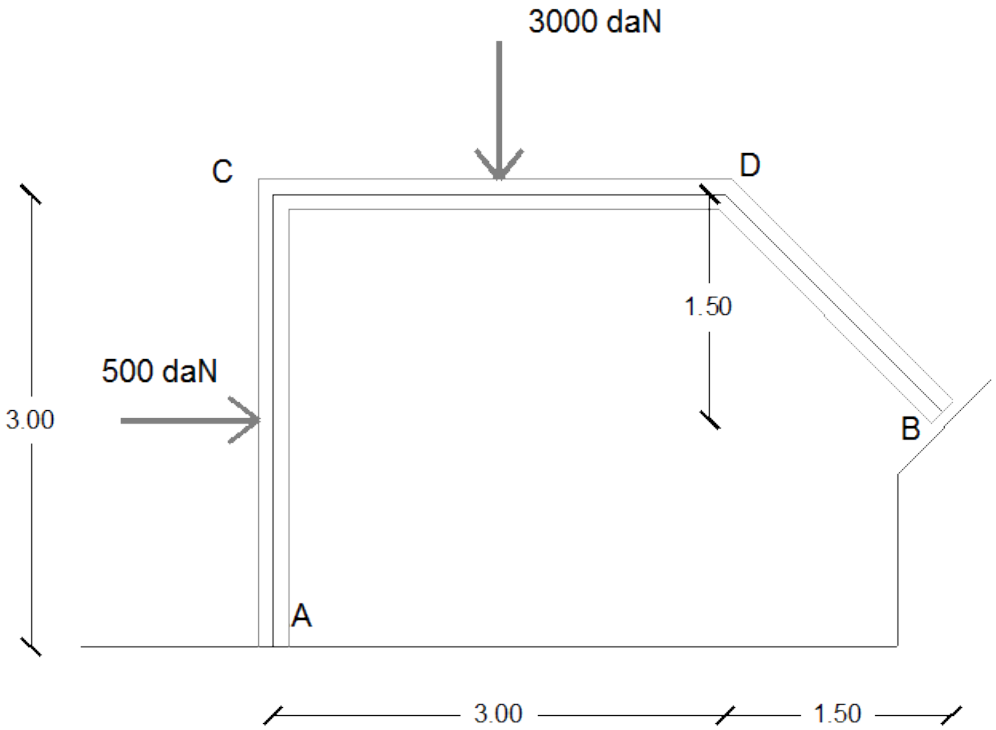
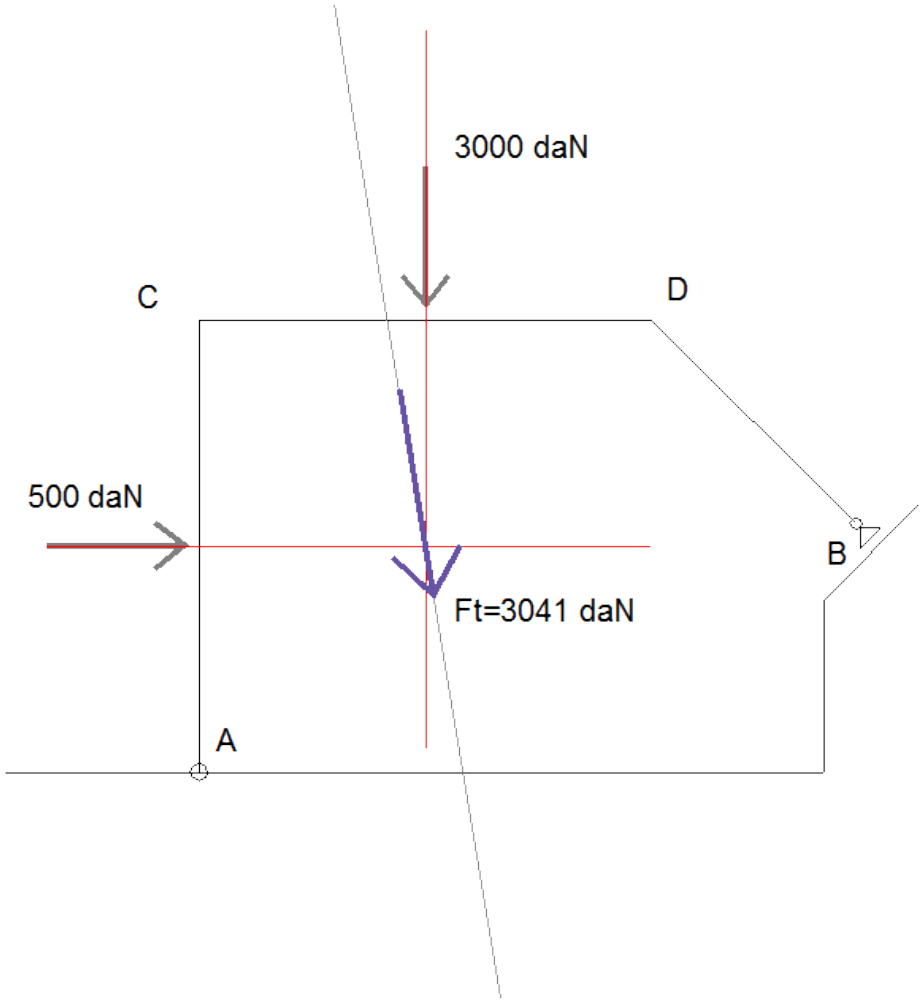
PORTICO BIARTICULADO - Caso 1

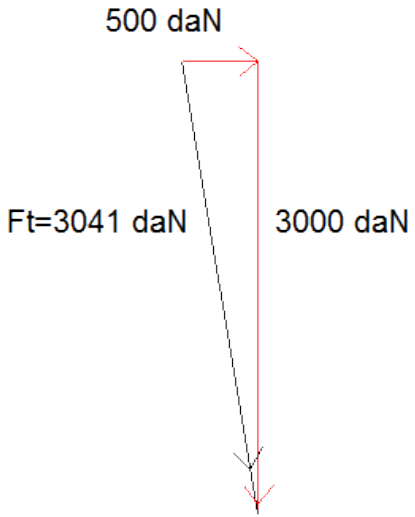
Equilibrio



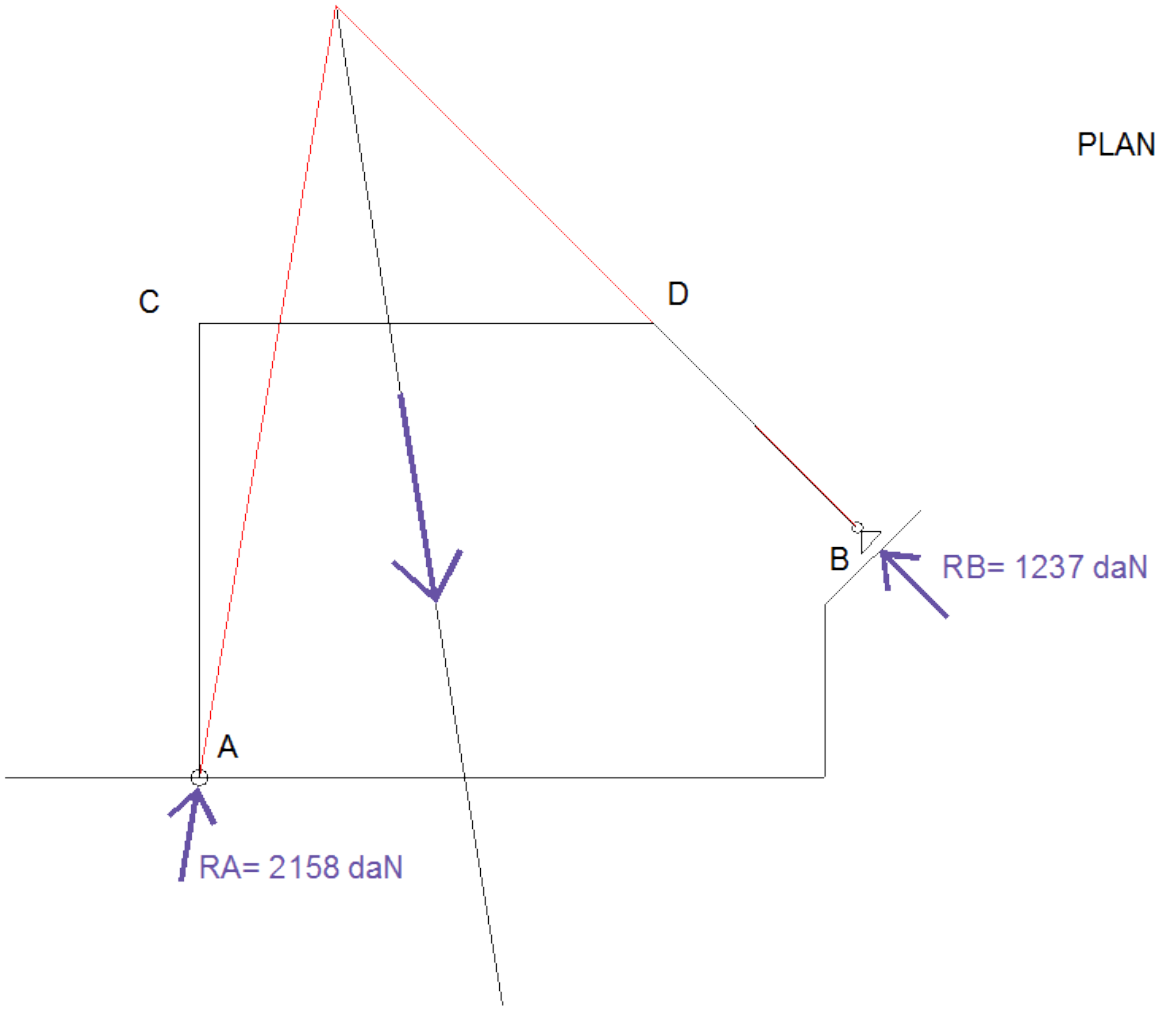
PLANO de SITUACION esc. m1



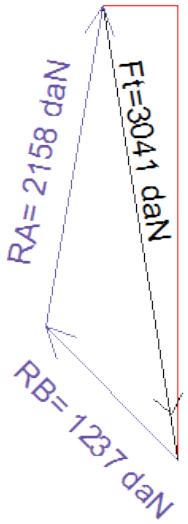
PLANO OPERATORIO. esc. m2



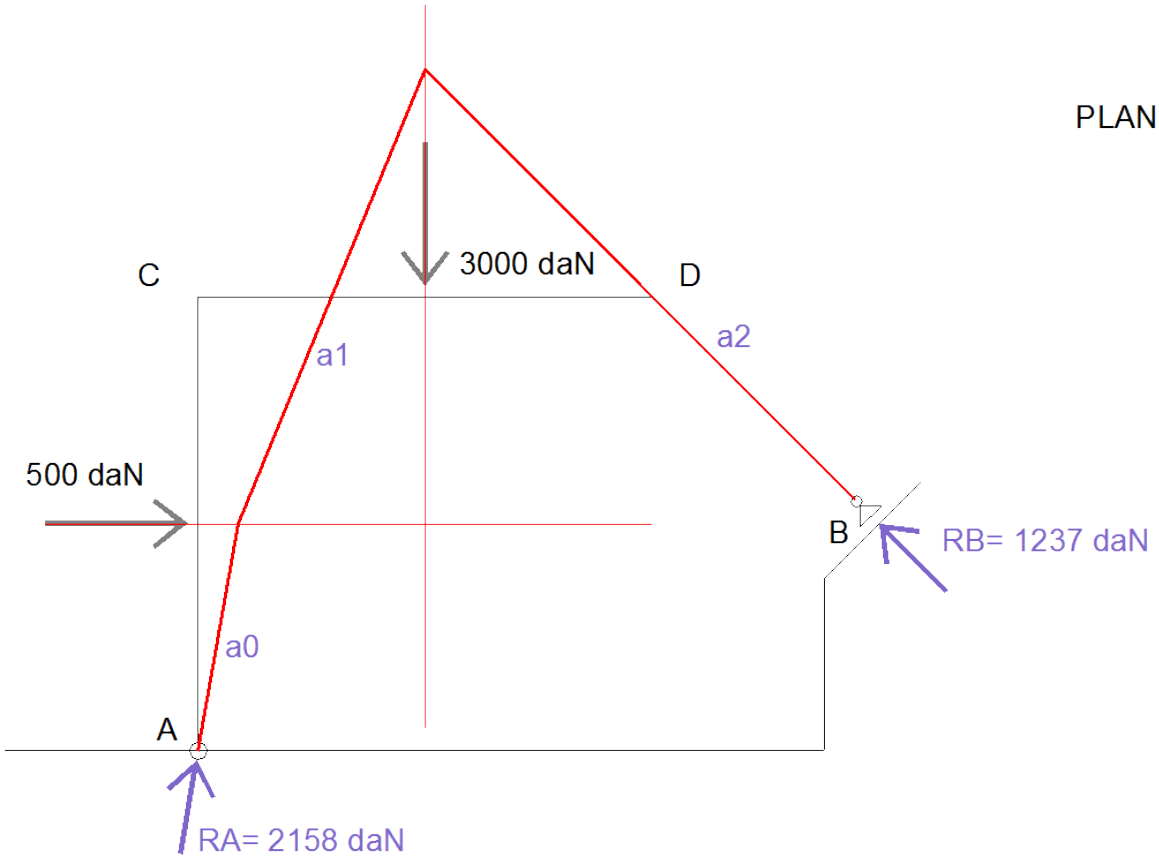
PLANO de SITUACION esc. m1



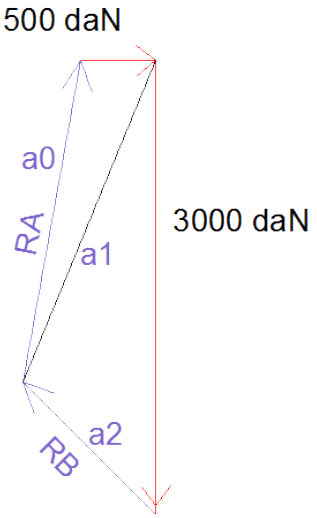
PLANO OPERATORIO. esc. m2



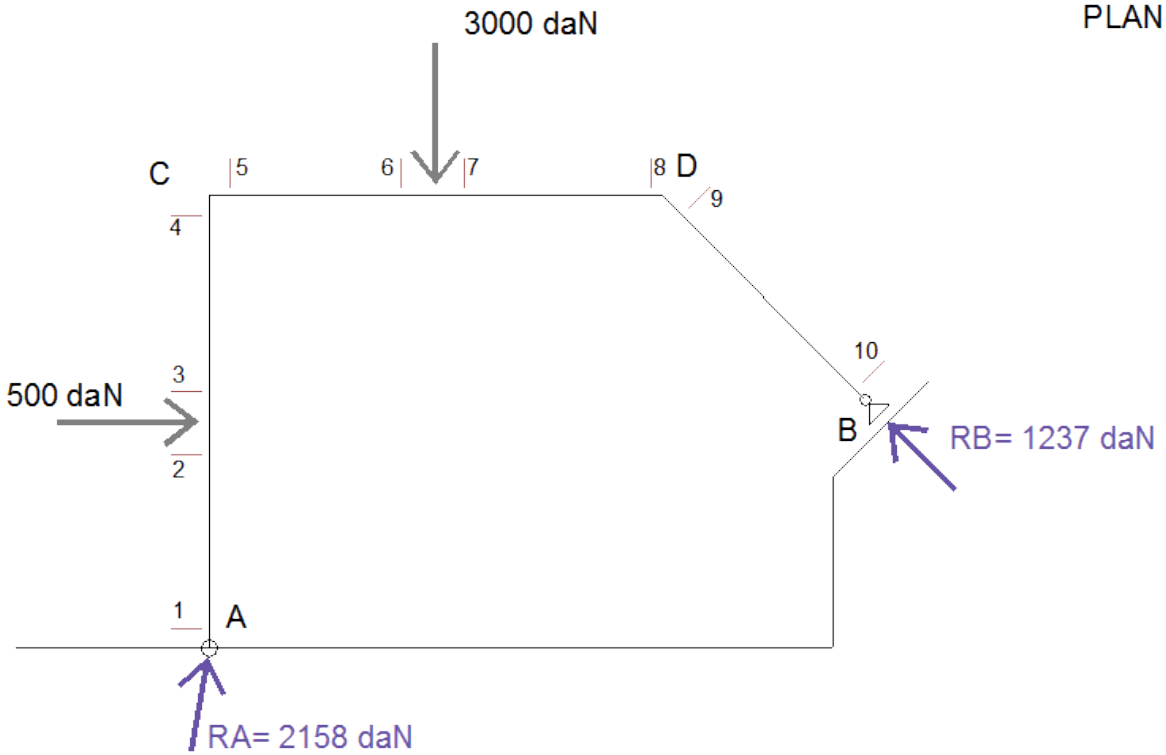
PLANO de SITUACION esc. m1



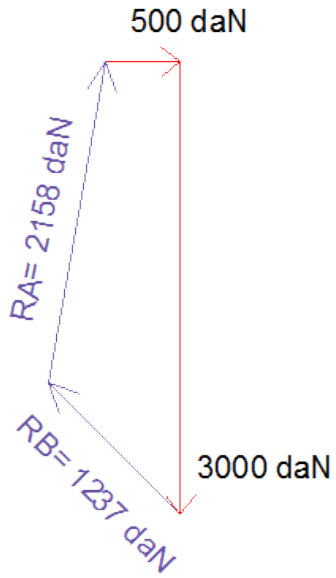
PLANO OPERATORIO. esc. m2

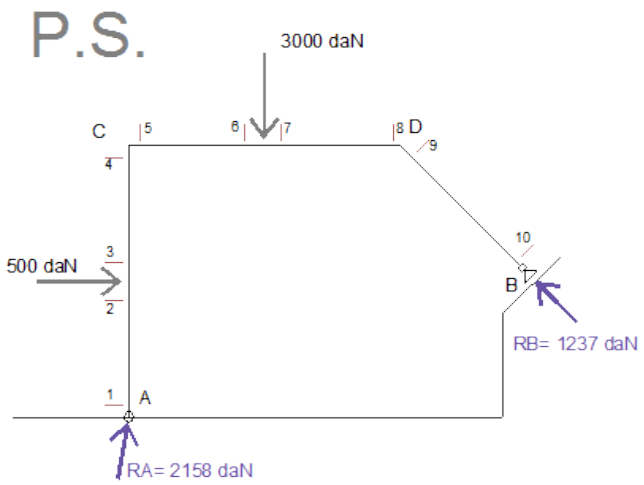


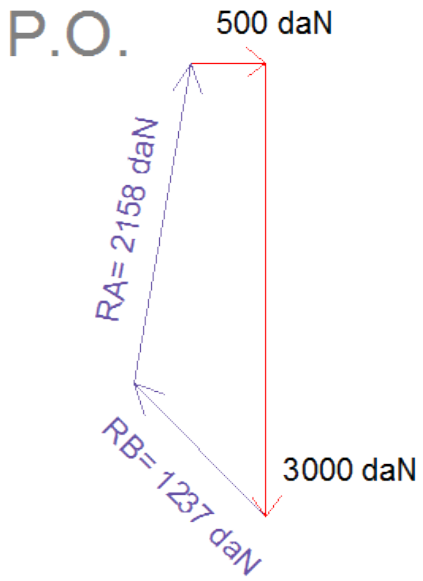
PLANO de SITUACION esc. m1



PLANO OPERATORIO. esc. m2




P.S.
3000 daN
C
D
500 daN
B
A
RB= 1237 daN
RA= 2158 daN


P.O.
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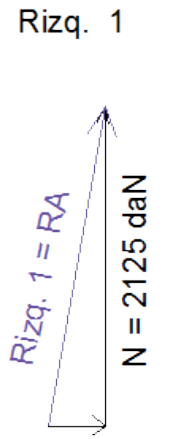
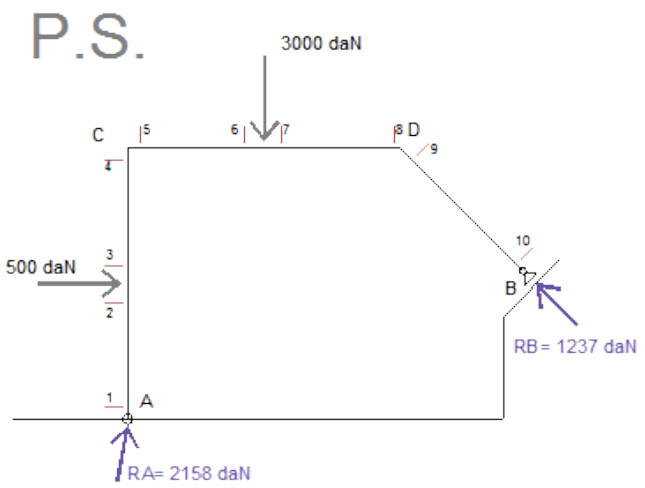
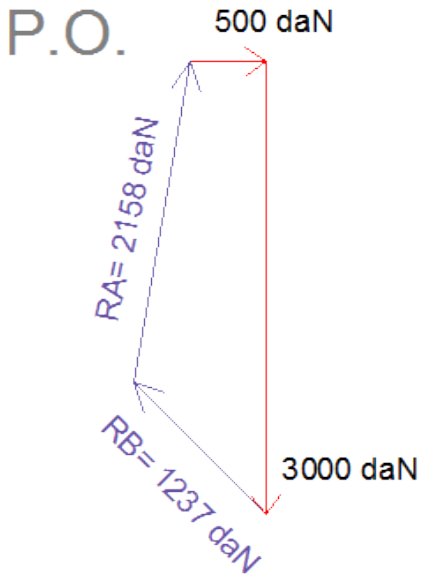
RA= 2158 daN
RB= 1237 daN
3000 daN


Rizq. 1
Rizq. 1 = RA
N = 2125 daN
V = 375 daN


P.S.
3000 daN
C
D
A
B
500 daN
RB= 1237 daN
RA= 2158 daN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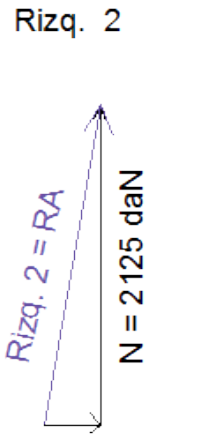
RB= 1237 daN
3000 daN


Rizq. 2
Rizq. 2 = RA
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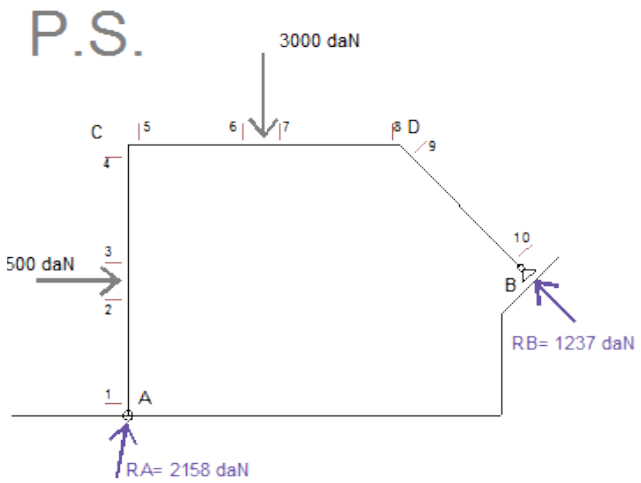
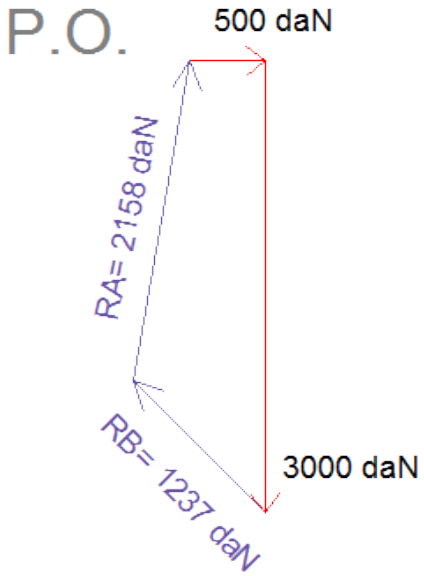
V = 375 daN


P.S.
3000 daN
C
D
A
B
500 daN
RB= 1237 daN
RA= 2158 daN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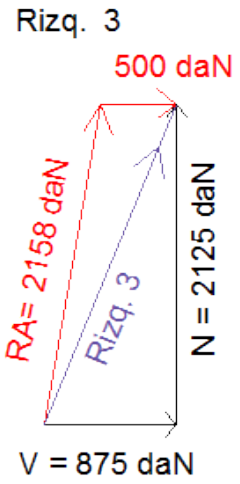
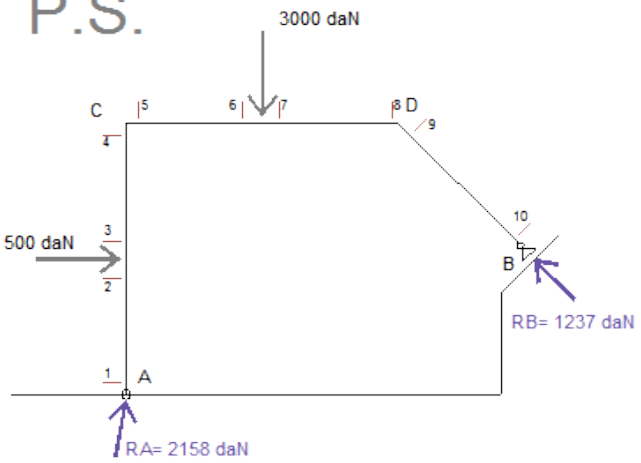
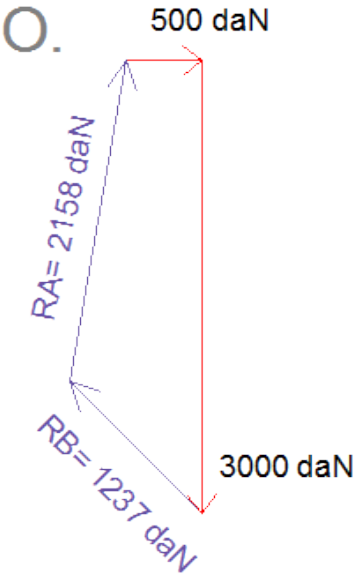
RB= 1237 daN
3000 daN


Rizq. 3
500 daN
RA= 2158 daN
Rizq. 3
N = 2125 daN
V = 875 daN

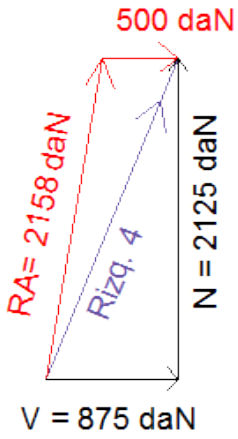
P.S.

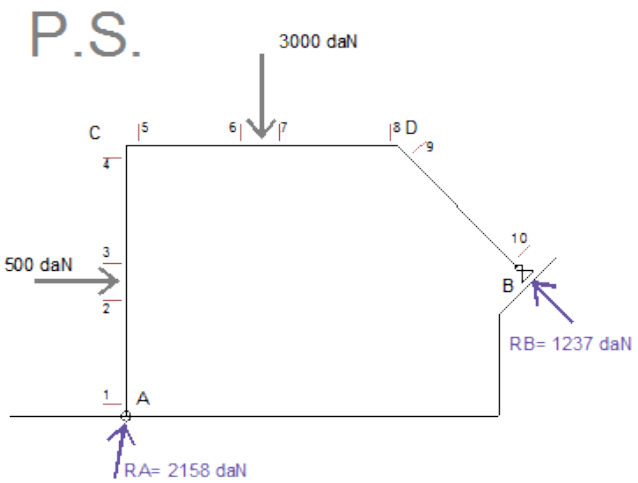

3000 daN
C
5
6
7
8 D
9
4
10
500 daN
3
B
2
RB= 1237 daN
1
A
RA= 2158 daN

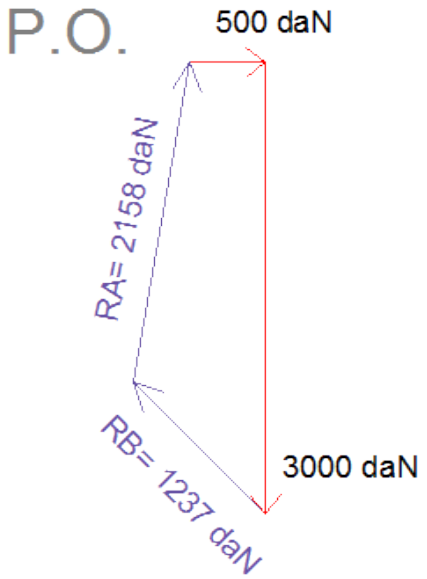
P.O.


500 daN
RA= 2158 daN
RB= 1237 daN
3000 daN

Rizq. 4


500 daN
RA= 2158 daN
Rizq. 4
N = 2125 daN
V = 875 daN


P.S.
3000 daN
C
5
6
7
8 D
9
4
10
500 daN
3
2
B
RB= 1237 daN
1
A
RA= 2158 daN


P.O.
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RA= 2158 daN
RB= 1237 daN
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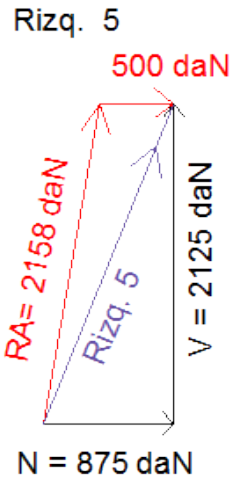
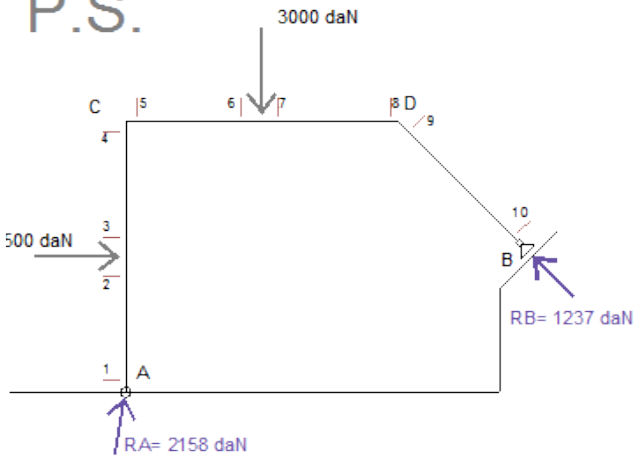
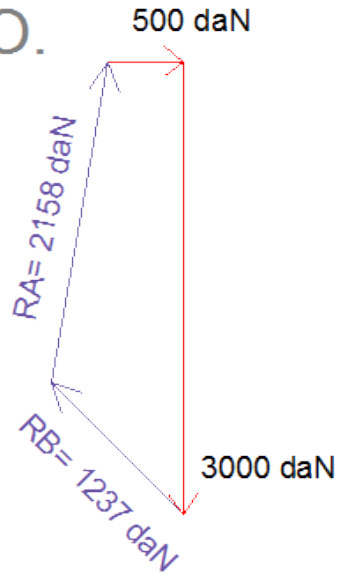

Rizq. 5
500 daN
RA= 2158 daN
Rizq. 5
V = 2125 daN
N = 875 daN

P.S.


3000 daN
C
5
6
7
8 D
9
4
10
3
500 daN
B
2
RB= 1237 daN
1
A
RA= 2158 daN

P.O.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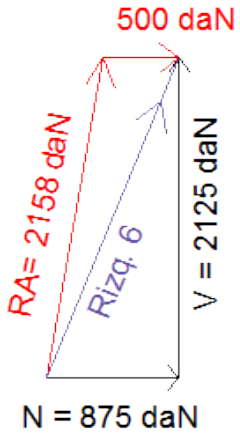
RA= 2158 daN
RB= 1237 daN
3000 daN

Rizq. 6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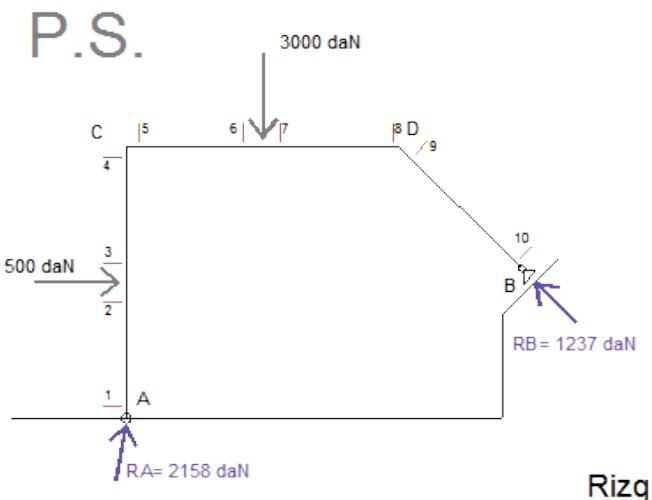
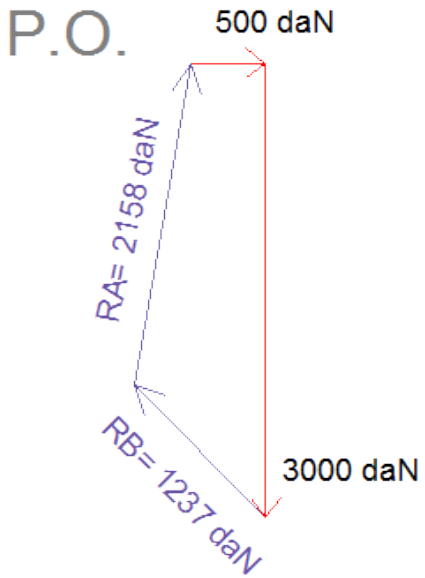
RA= 2158 daN
Rizq. 6
V = 2125 daN
N = 875 daN


P.S.
3000 daN
C
5
6
7
8 D
9
4
10
500 daN
3
B
2
RB= 1237 daN
1
A
RA= 2158 daN


P.O.
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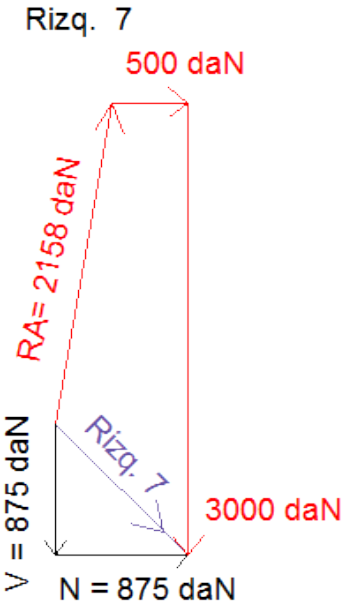
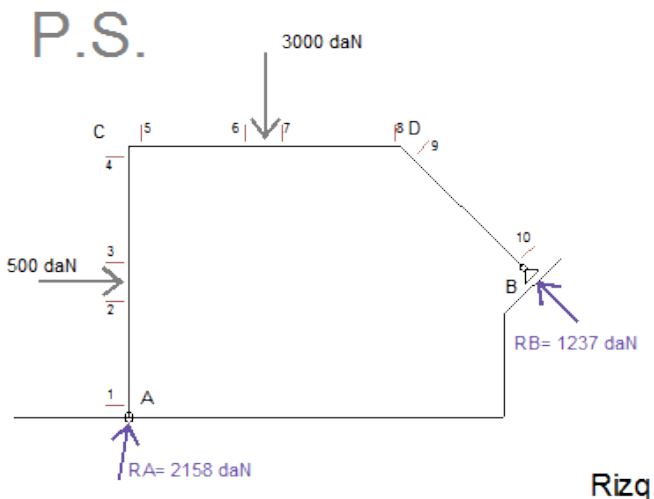
RB= 1237 daN
3000 daN


Rizq. 7
500 daN
RA= 2158 daN
Rizq. 7
V = 875 daN
3000 daN
N = 875 daN


P.S.
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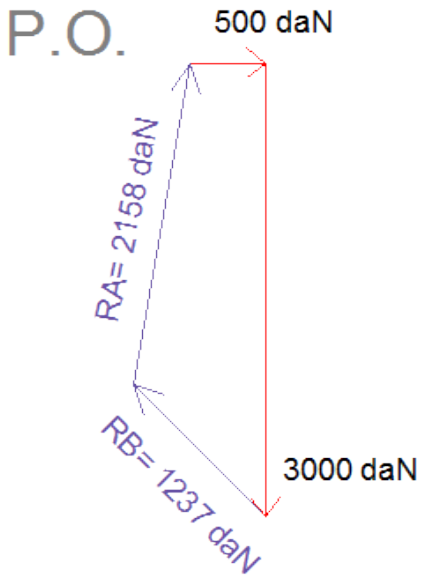
C
D
B
A
500 daN
RB= 1237 daN
RA= 2158 daN


P.O.
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RB= 1237 daN
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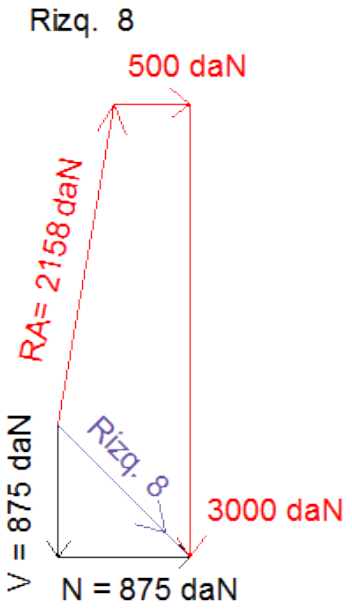
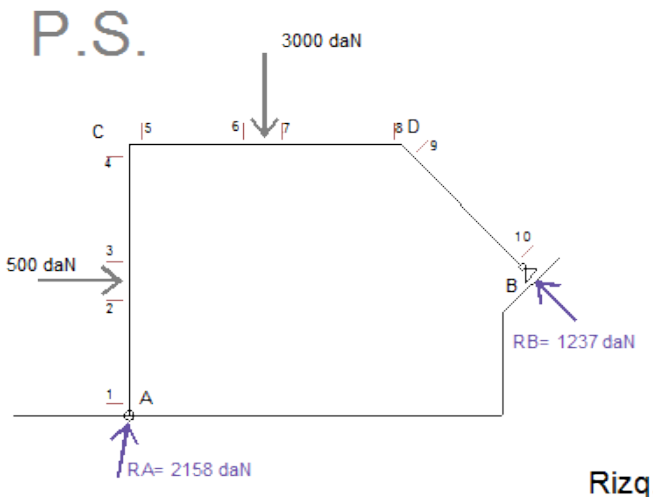

Rizq. 8
500 daN
RA= 2158 daN
Rizq. 8
3000 daN
V = 875 daN
N = 875 daN


P.S.
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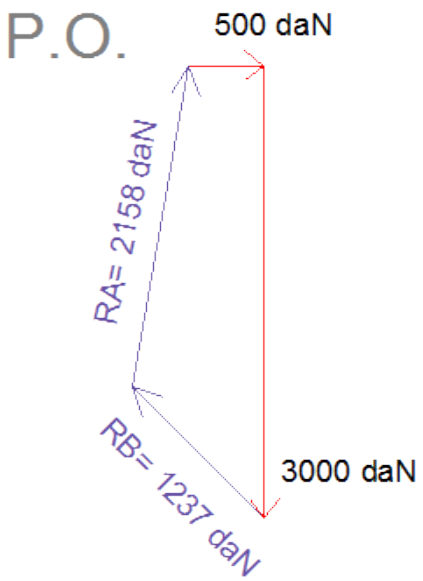
C
D
500 daN
B
RB= 1237 daN
A
RA= 2158 daN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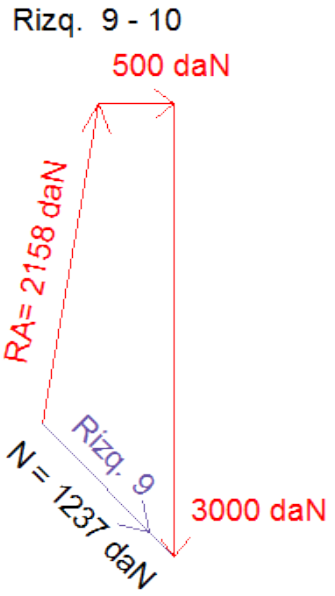
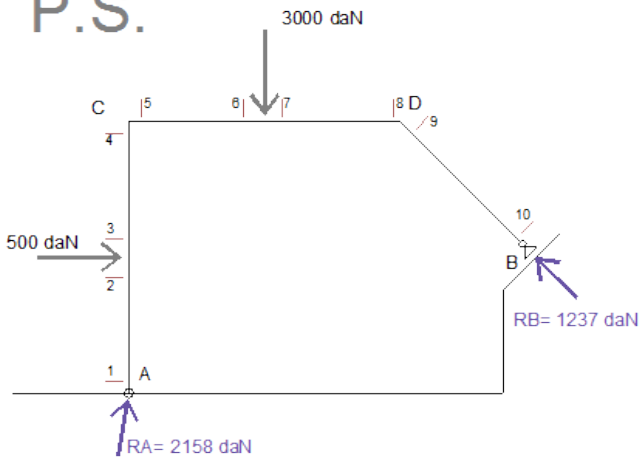
RB= 1237 daN
3000 daN


Rizq. 9 - 10
500 daN
RA= 2158 daN
Rizq. 9
N = 1237 daN
3000 daN

P.S.



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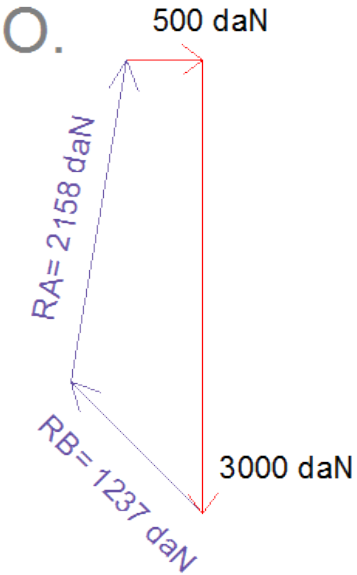


Rizq. 1

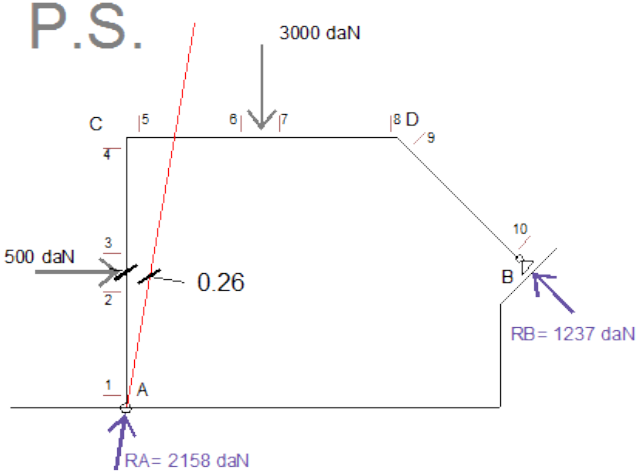
M1 = 2158daN x 0m

M1 = 0daNm

PORTICO BIARTICULADO - Caso 1

Solicitaciones: Momento

P.S.



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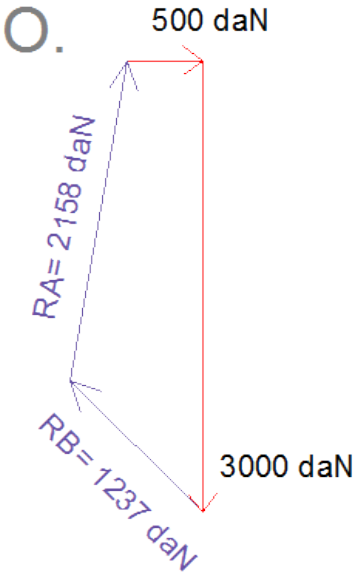
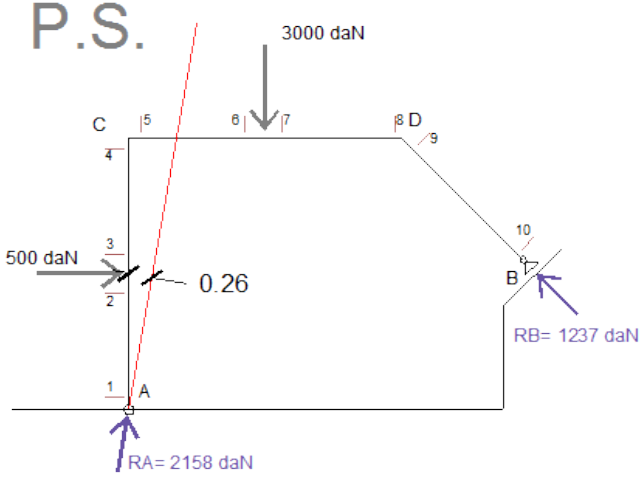


Rizq. 2

M2 = 2158daN x 0.26m

M2 = 561daNm

P.S.



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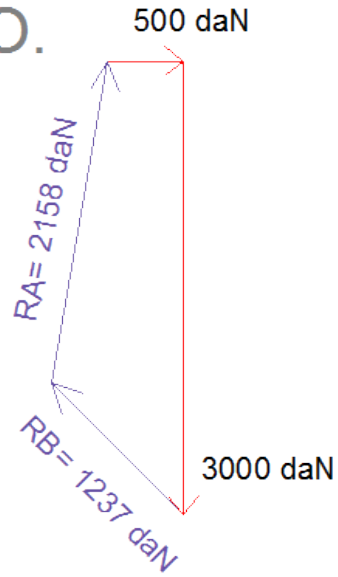
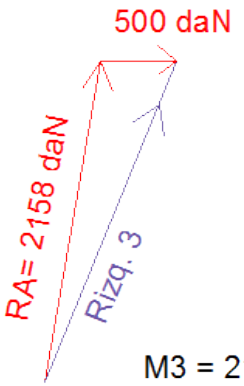


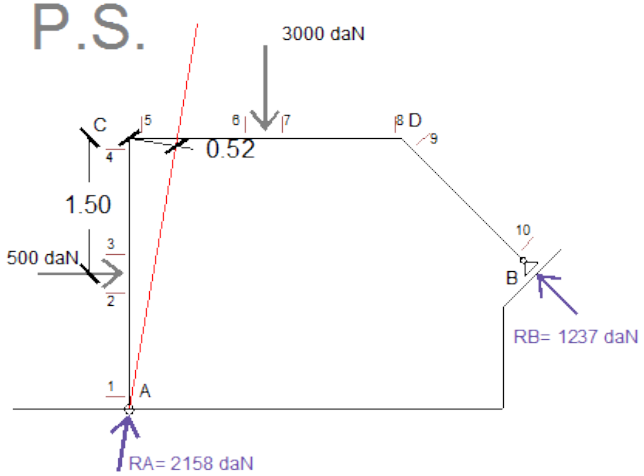
Rizq. 3



M3 = 2158daN x 0.26m + 500daN x 0m

M3 = 561daNm

P.S.



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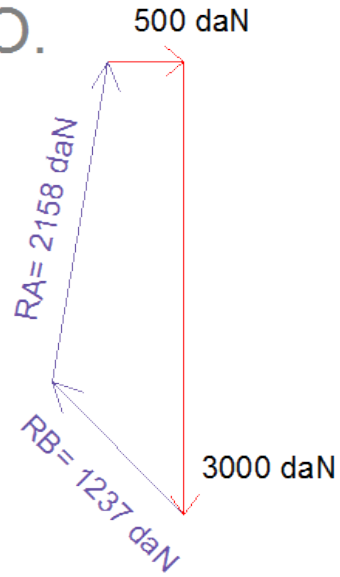
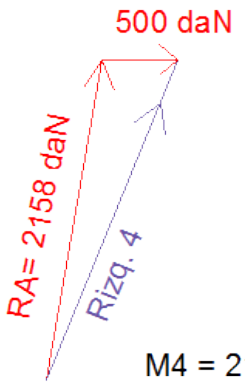


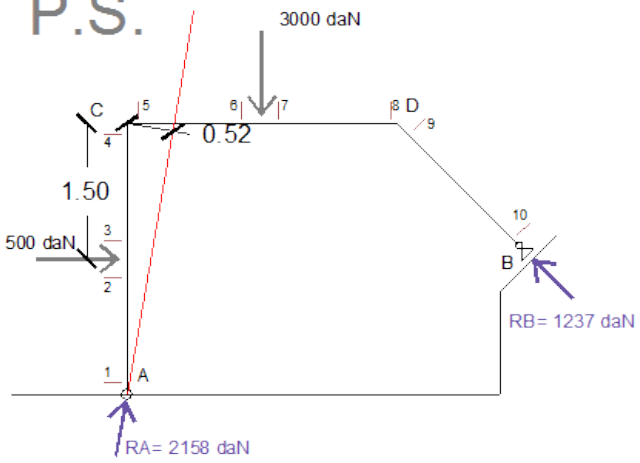
Rizq. 4



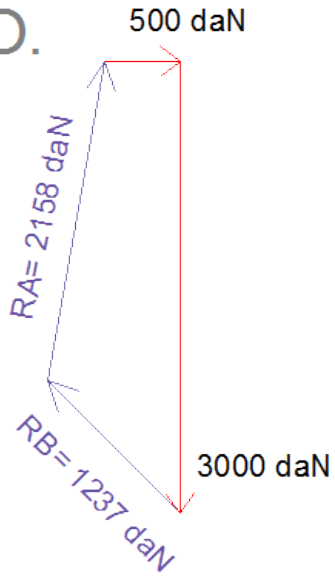
M4 = 2158daN x 0.52m + 500daN x 1.50m

M4 = 1872daNm

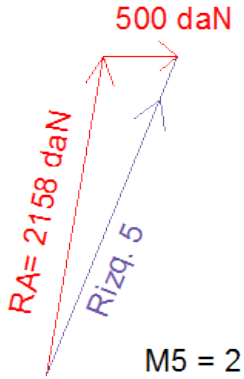
P.S.



P.O.



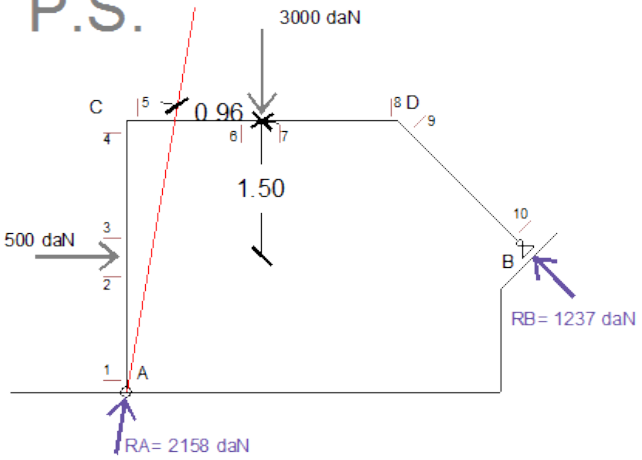
Rizq. 5



M5 = 2158daN x 0.52m + 500daN x 1.50m

M5 = 1872daNm

P.S.



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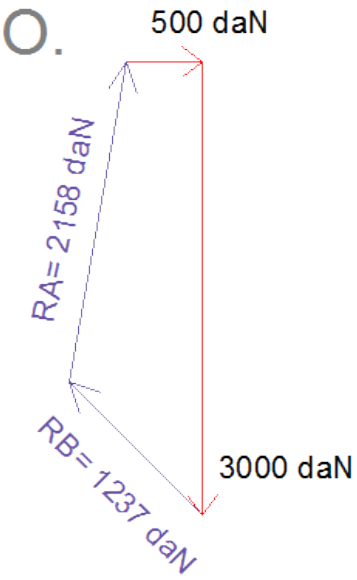
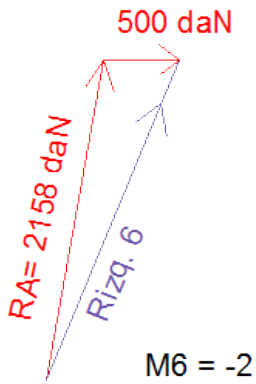


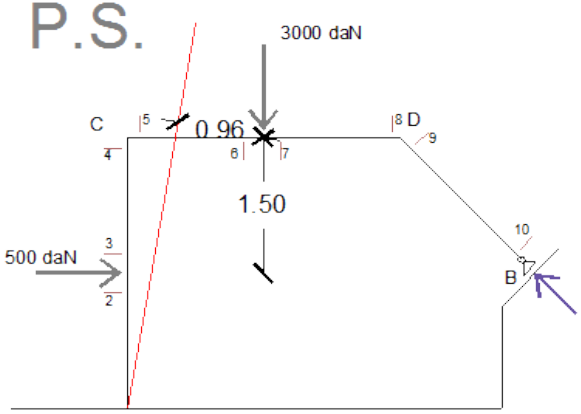
Rizq. 6



M6 = -2158daN x 0.96m + 500daN x 1.50m

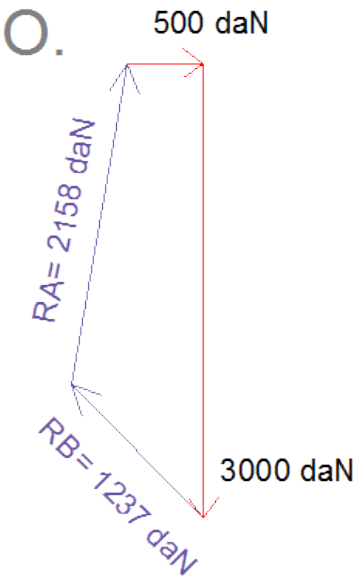
M6 = -1321daNm

P.S.



Rizq. 7

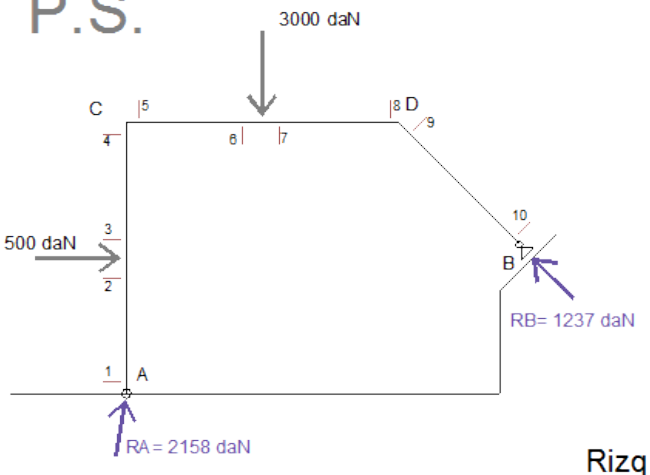
P.O.



M7 = -2158daN x 0.96m + 500daN x 1.50m + 3000daN x 0m

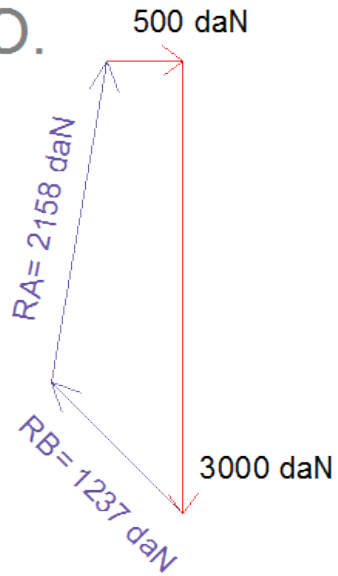
M7 = -1321daNm

P.S.



Rizq. 8

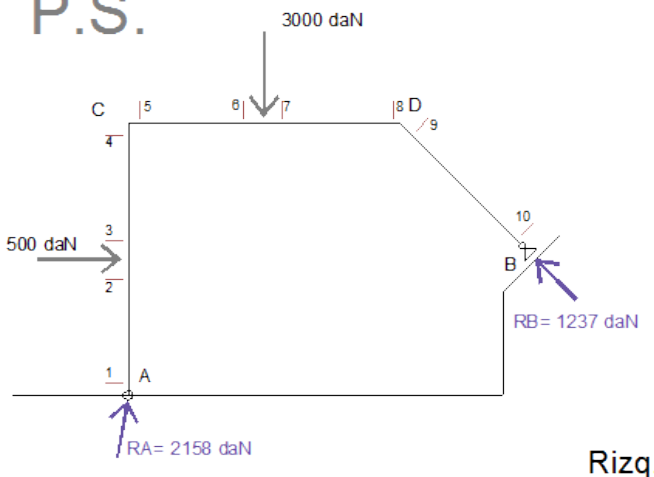
P.O.



M8 = 1237daN x 0m

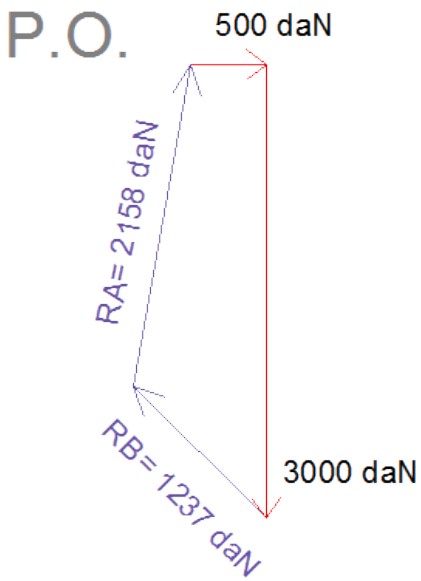
M8 = 0daNm

P.S.



Rizq. 9 - 10

P.O.

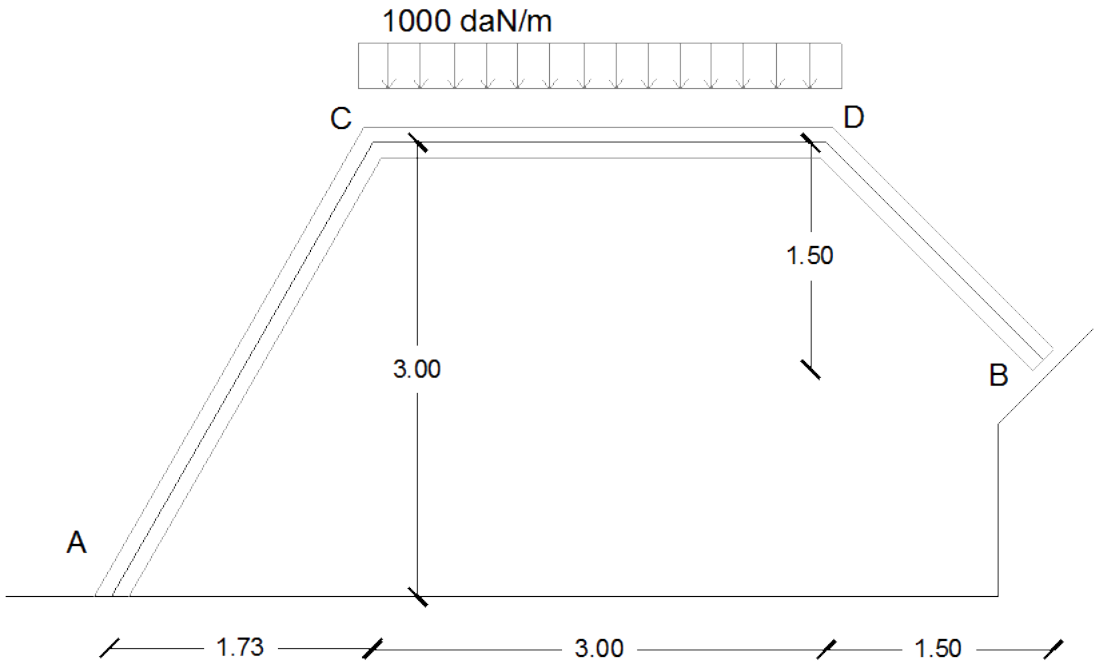


M9 - M10 = 1237daN x 0m

M9 - M10 = 0daNm

PORTICO BIARTICULADO - Caso 3

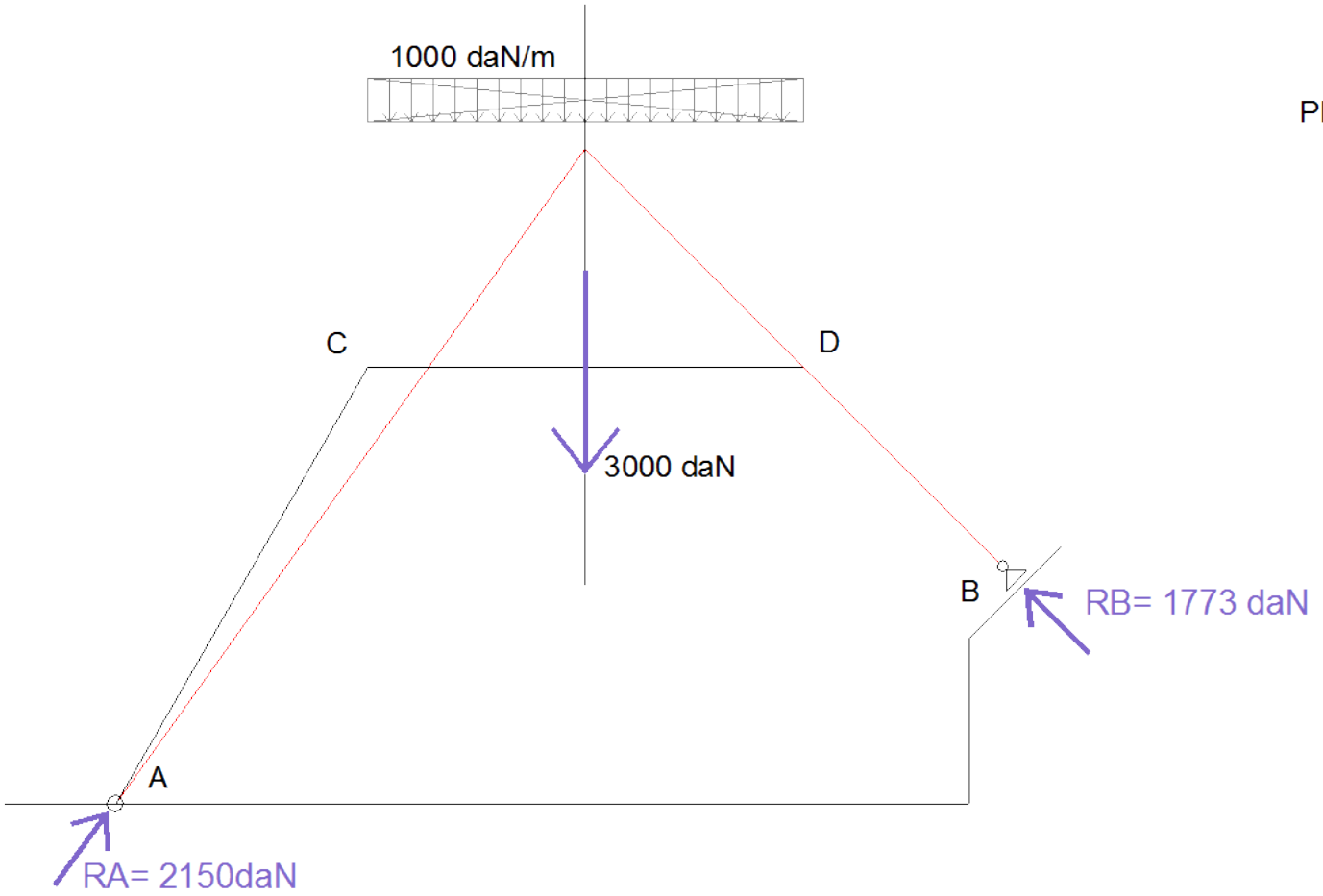
Equilibrio



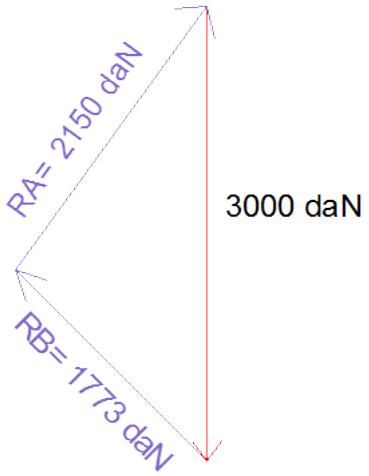
PORTICO BIARTICULADO - Caso 3

Equilibrio

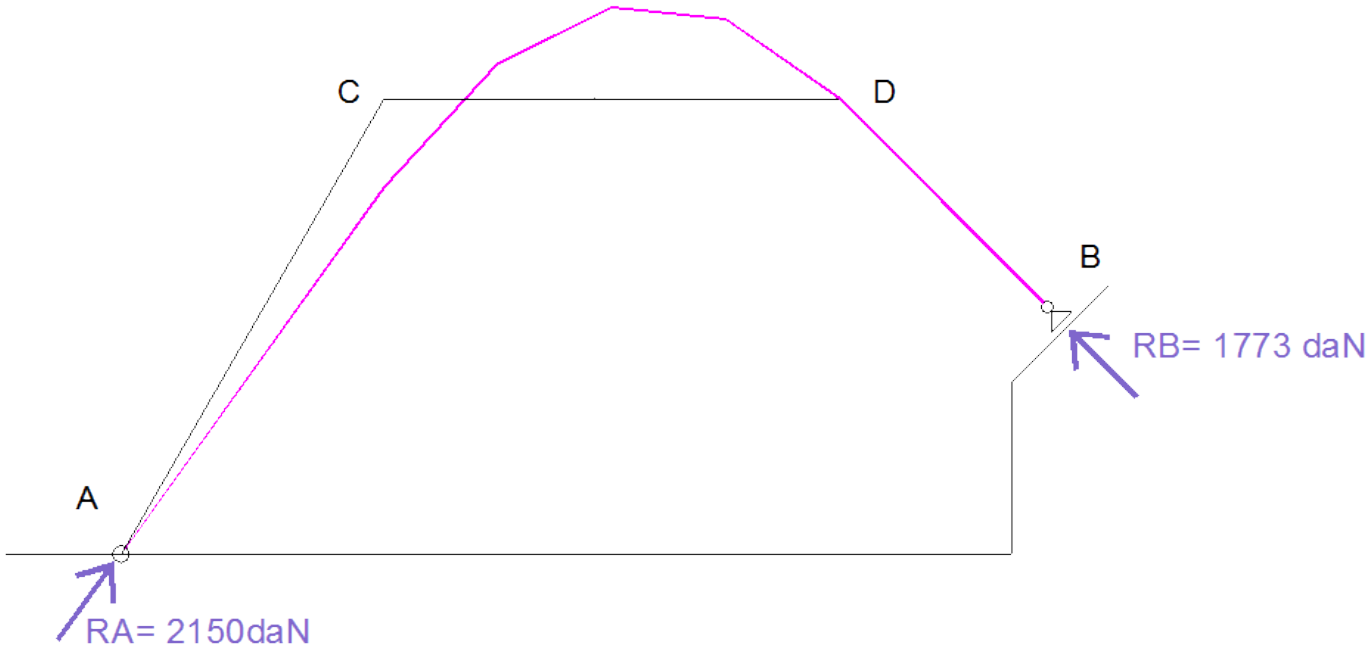
PLANO de SITUACION esc. m1



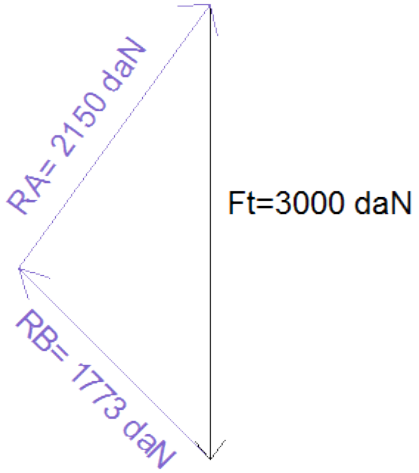
PLANO OPERATORIO. esc. m2



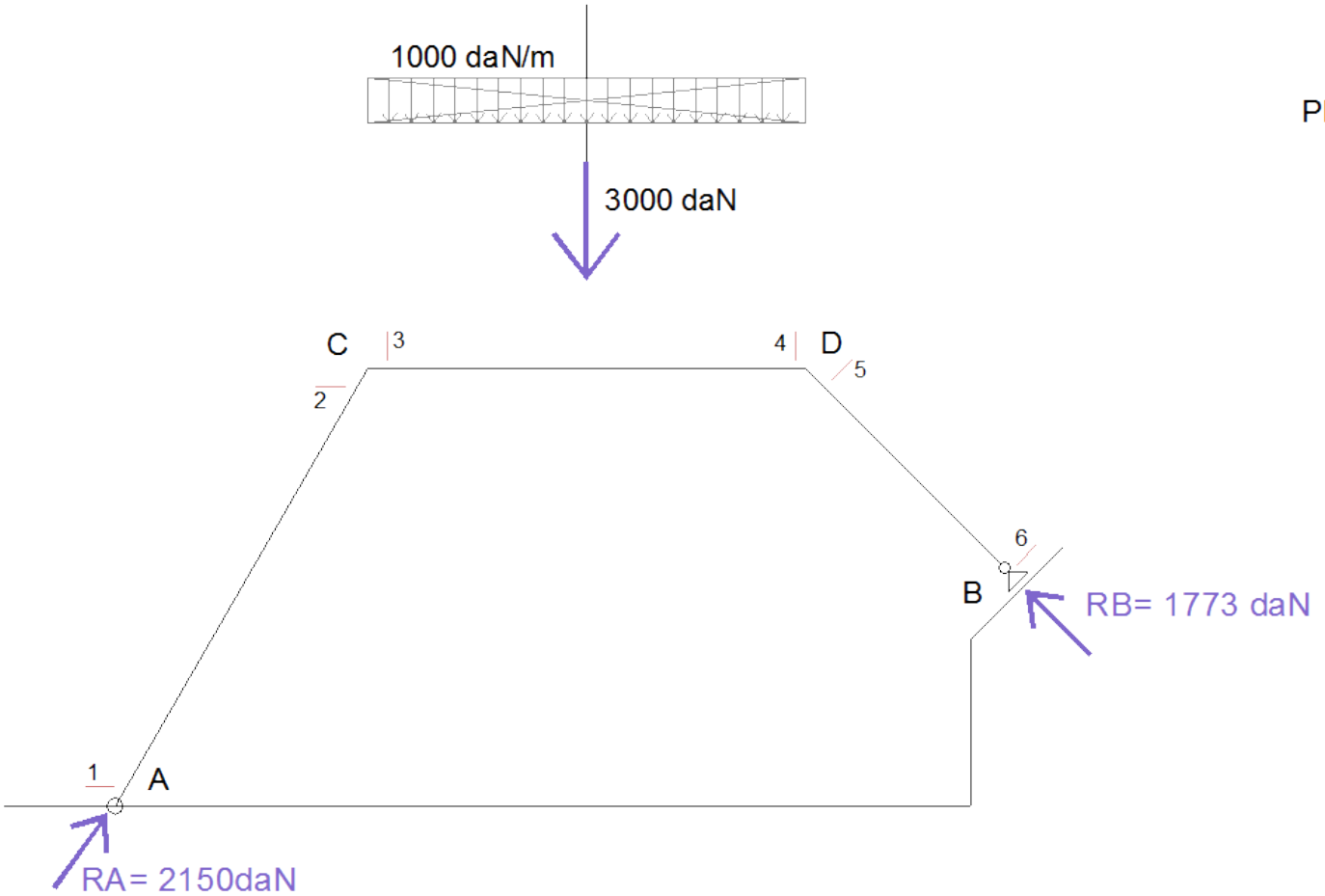
PLANO de SITUACION esc. m1



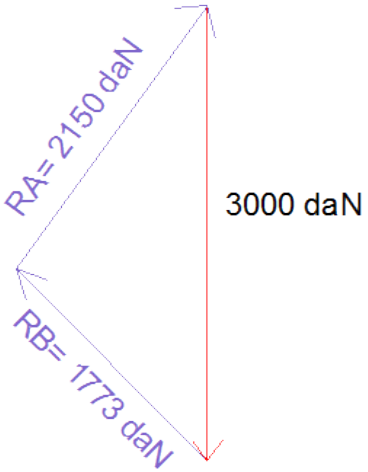
PLANO OPERATORIO. esc. m2



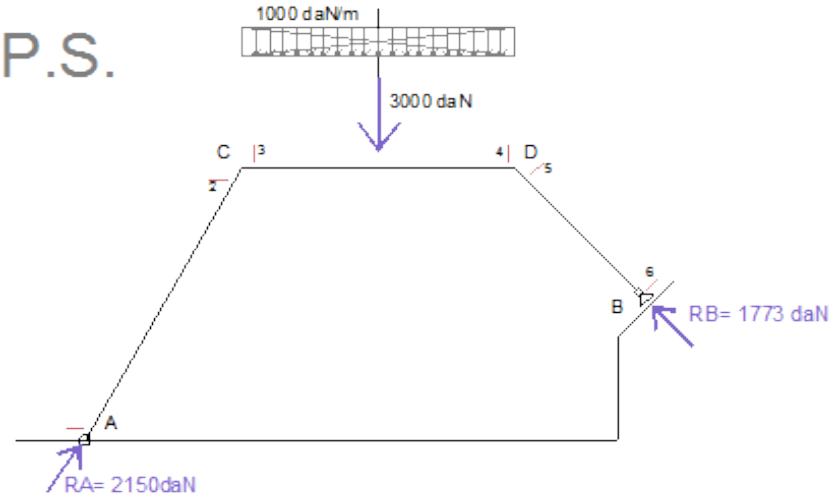
PLANO de SITUACION esc. m1



PLANO OPERATORIO. esc. m2

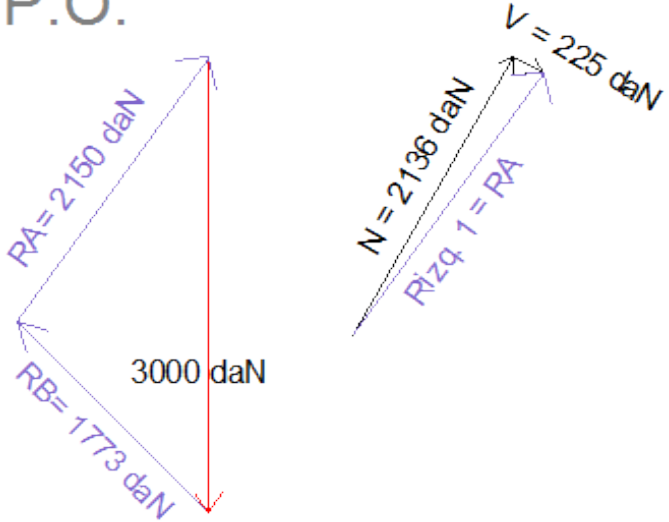


P.S.

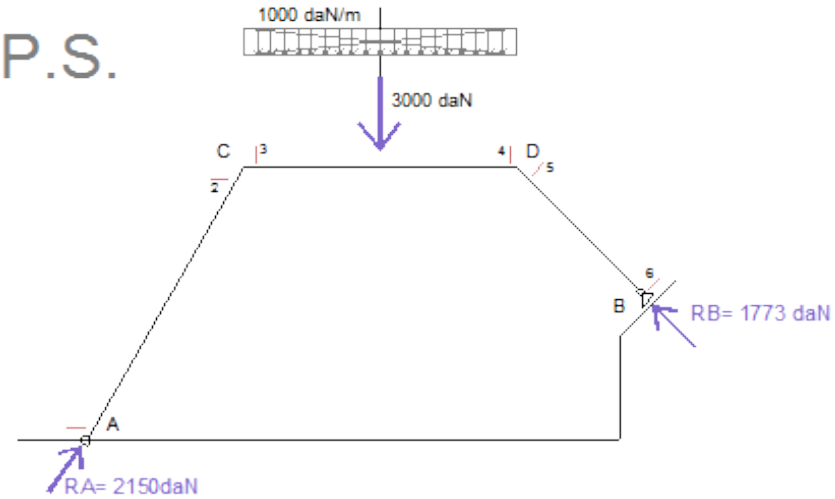

1000 daN/m
3000 daN
C
D
B
A
RB= 1773 daN
RA= 2150daN

Rizq. 1

P.O.

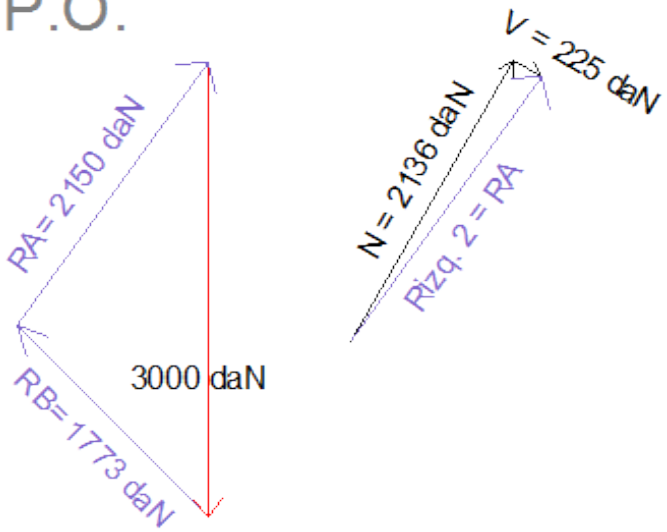

V = 225 daN
N = 2136 daN
Rizq. 1 = RA
RA= 2150 daN
3000 daN
RB= 1773 daN

P.S.

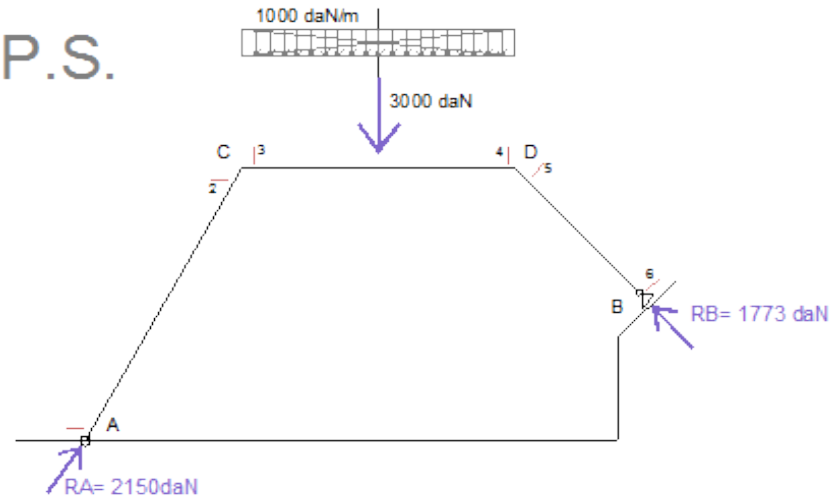

1000 daN/m
3000 daN
C
D
A
B
RB= 1773 daN
RA= 2150daN

Rizq. 2

P.O.

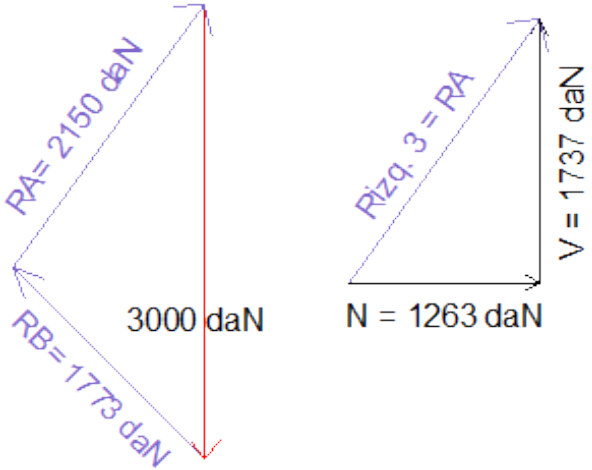

RA= 2150 daN
3000 daN
RB= 1773 daN
V = 225 daN
N = 2136 daN
Rizq. 2 = RA

P.S.


1000 daN/m
3000 daN
C
D
A
B
RB= 1773 daN
RA= 2150daN

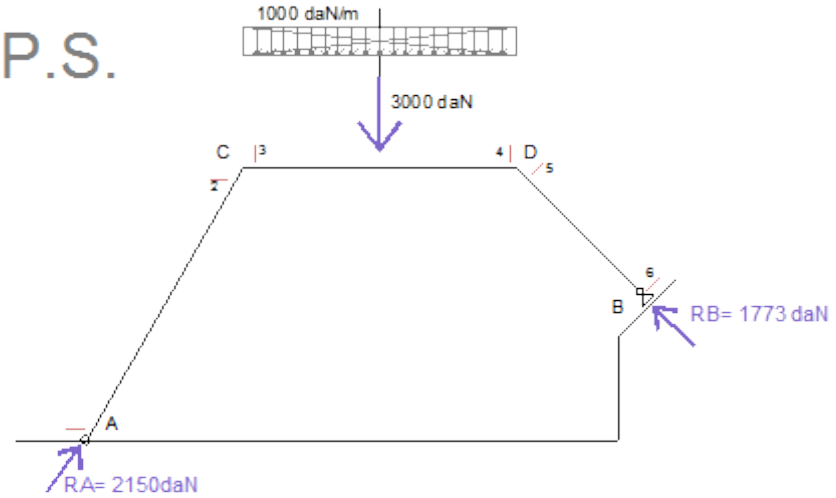
Rizq. 3

P.O.

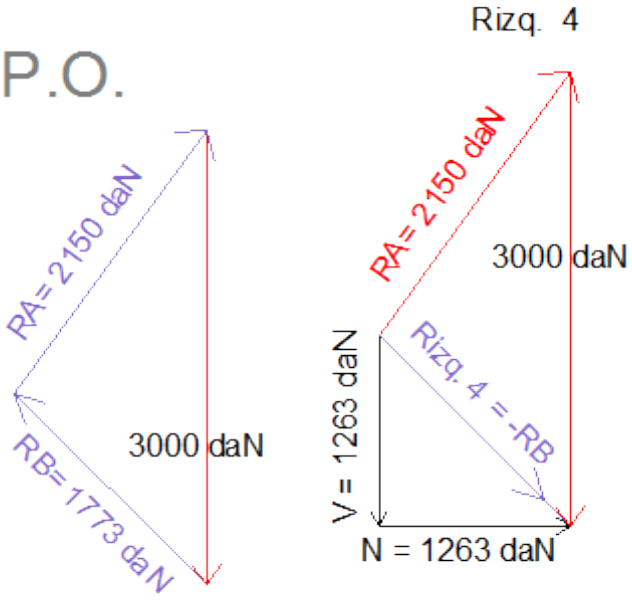

RA= 2150 daN
3000 daN
RB= 1773 daN

Rizq. 3 = RA
V = 1737 daN
N = 1263 daN

P.S.


1000 daN/m
3000 daN
C
D
B
A
RB= 1773 daN
RA= 2150daN

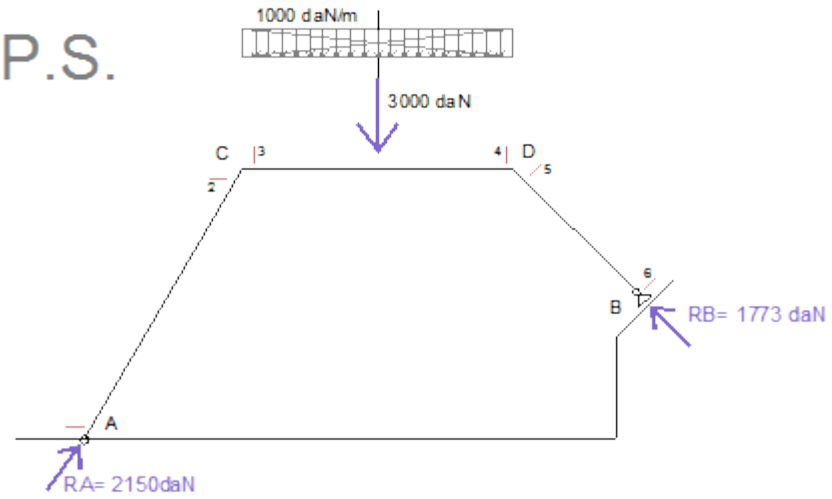
P.O.


RA= 2150 daN
3000 daN
RB= 1773 daN

Rizq. 4

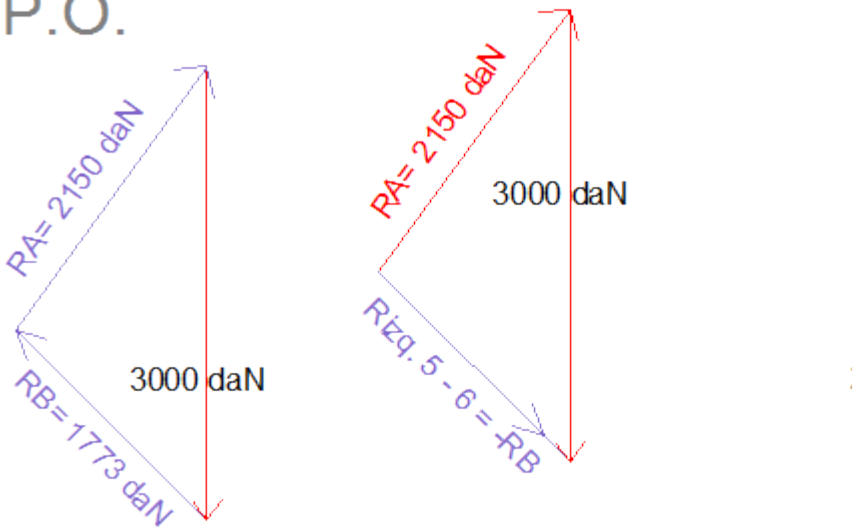
RA= 2150 daN
3000 daN
Rizq. 4 = -RB
V = 1263 daN
N = 1263 daN

P.S.

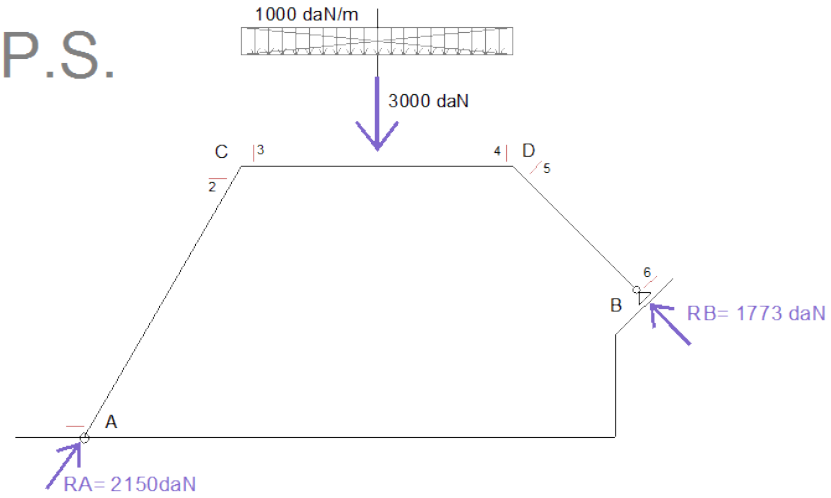

1000 daN/m
3000 daN
C
D
A
B
RB= 1773 daN
RA= 2150daN

Rizq. 5 - 6

P.O.

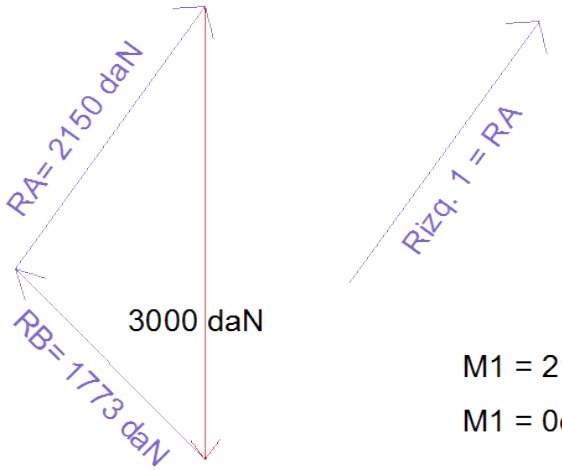

RA= 2150 daN
3000 daN
RB=1773 daN
RA= 2150 daN
3000 daN
Rizq. 5 - 6 = -RB

P.S.



Rizq. 1

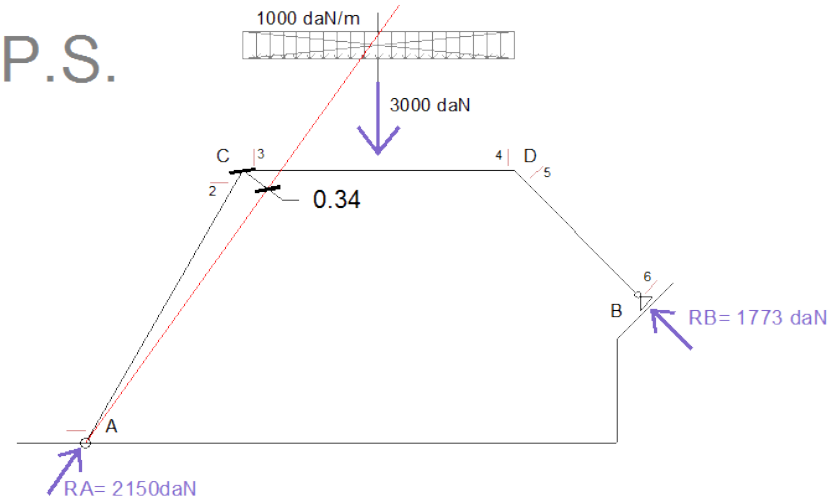
P.O.



M1 = 2150daN x 0m

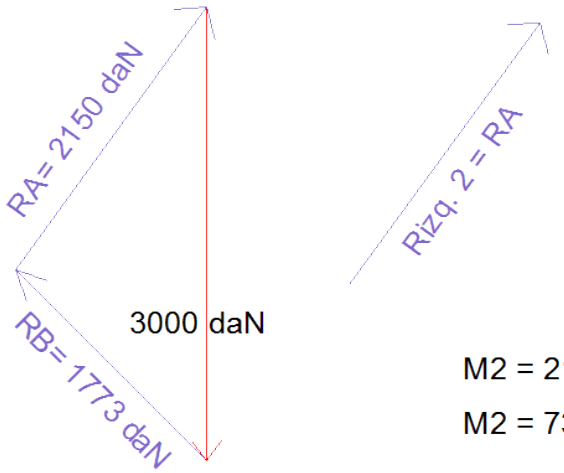
M1 = 0daNm

P.S.



Rizq. 2

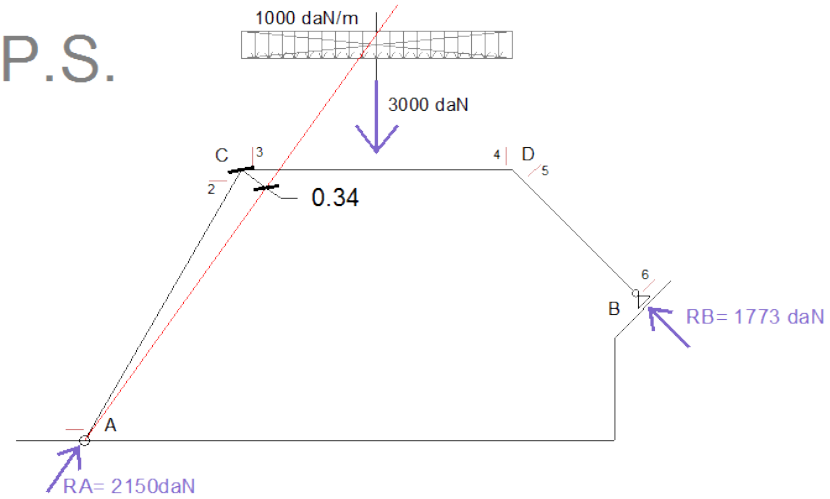
P.O.



M2 = 2150daN x 0.34m

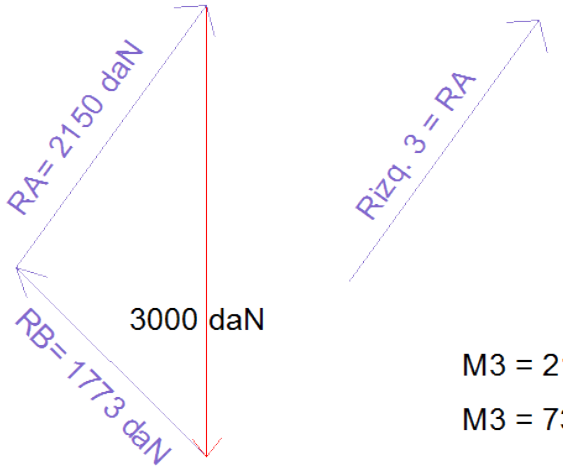
M2 = 731daNm

P.S.



Rizq. 3

P.O.



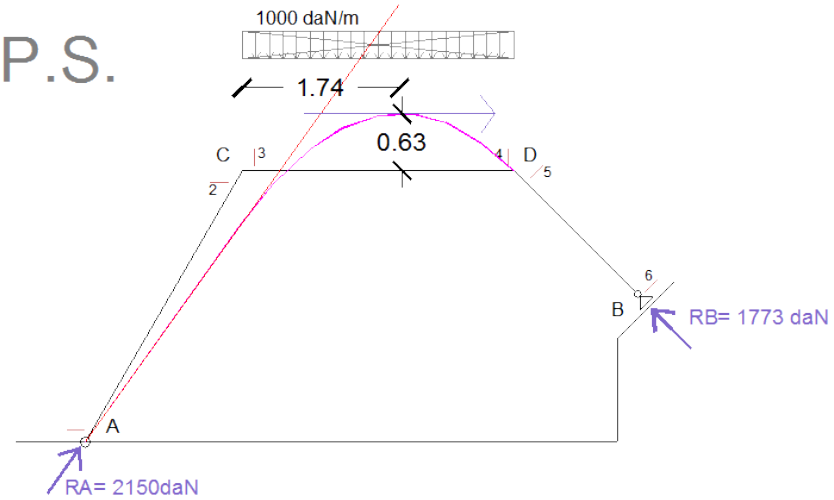
M3 = 2150daN x 0.34m

M3 = 731daNm

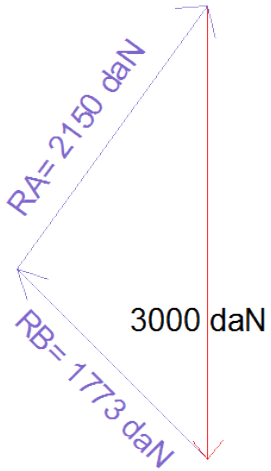
PORTICO BIARTICULADO - Caso 3

Solicitaciones: Momento

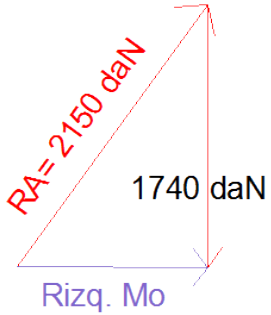
P.S.



P.O.



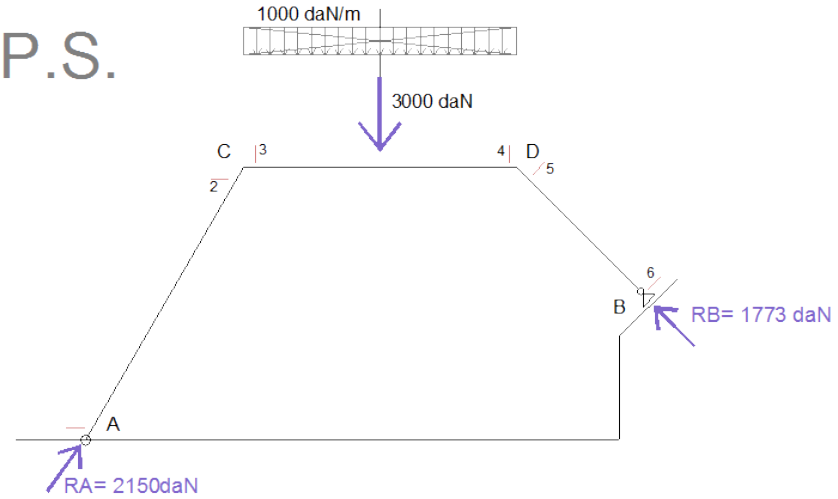
Rizq. Mo



Mo = 1263daN x 0.63m

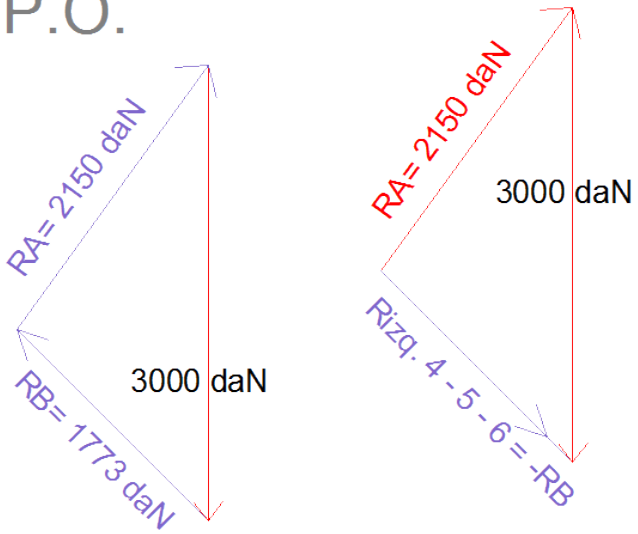
Mo = 796daNm

P.S.



Rizq. 4 - 5 - 6

P.O.



M 4-5-6 = 1773daN x 0m

M 4-5-6 = 0daNm