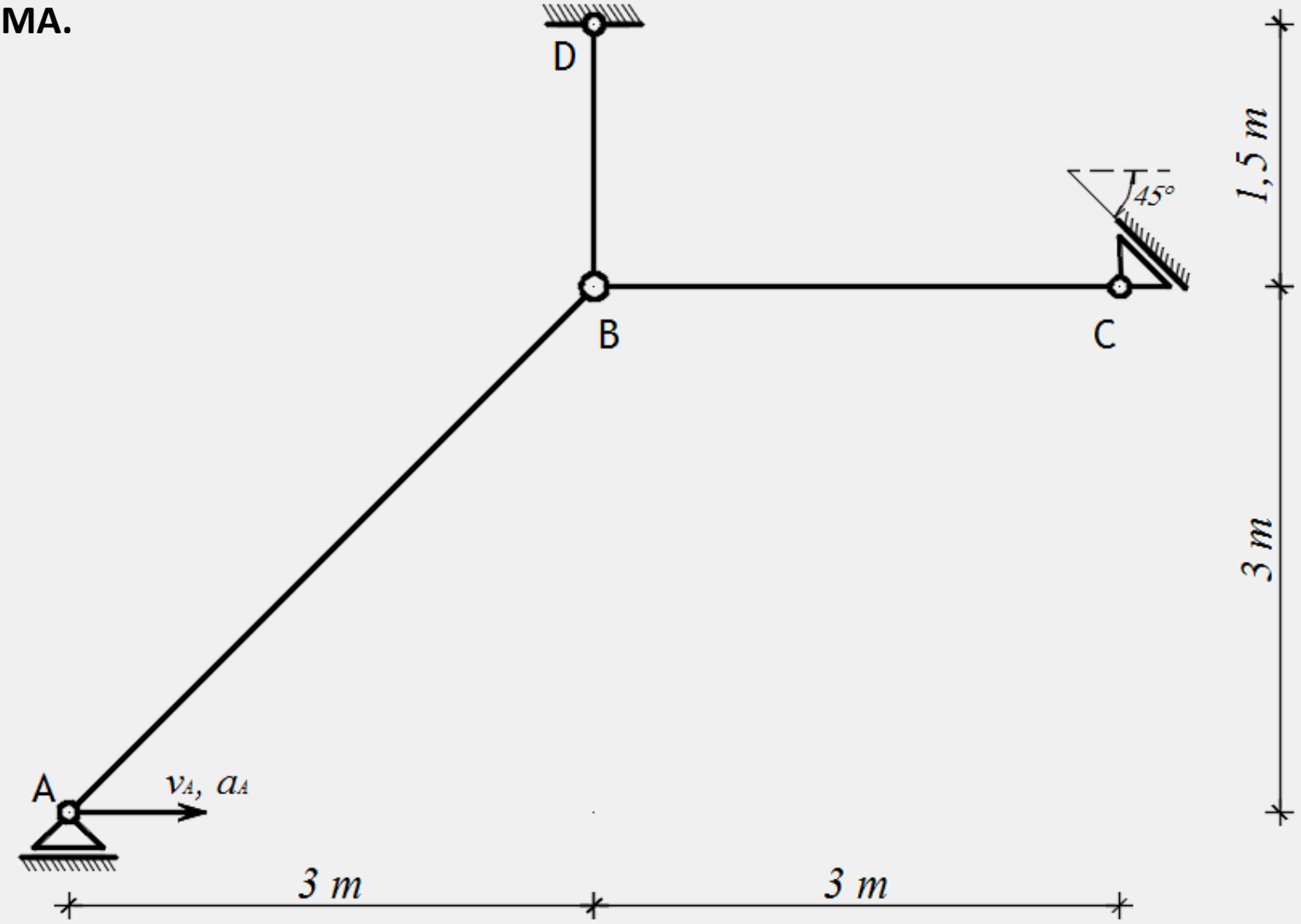
POZNATA JE BRZINA I UBRZANJE TOČKE A MEHANIZMA U PRIKAZANOM POLOŽAJU:

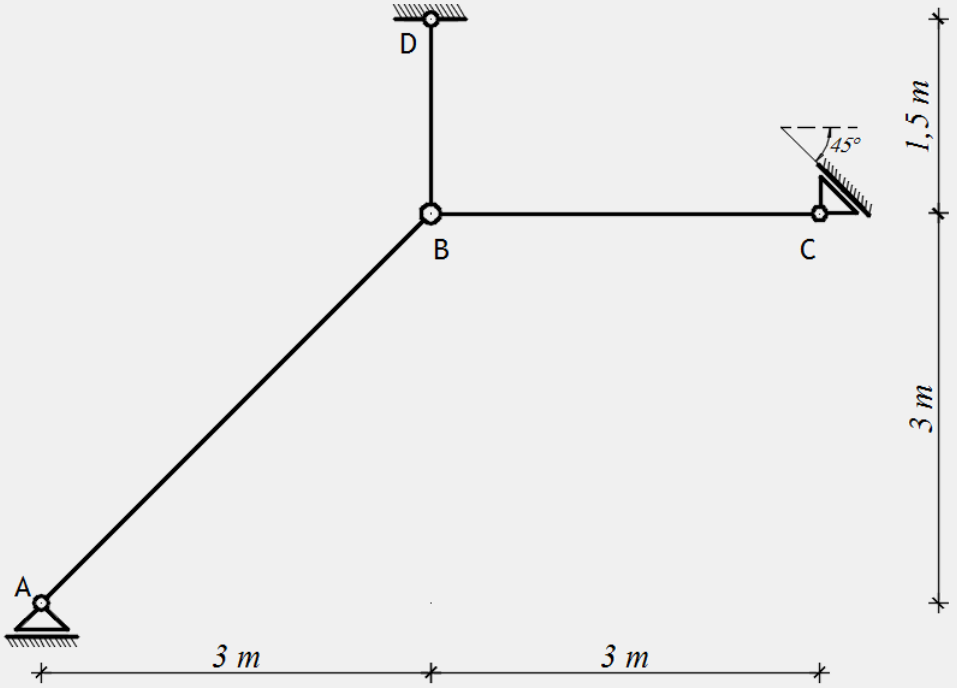
$v_A = 3\ m/s$

$a_A = 2\ m/s^2$

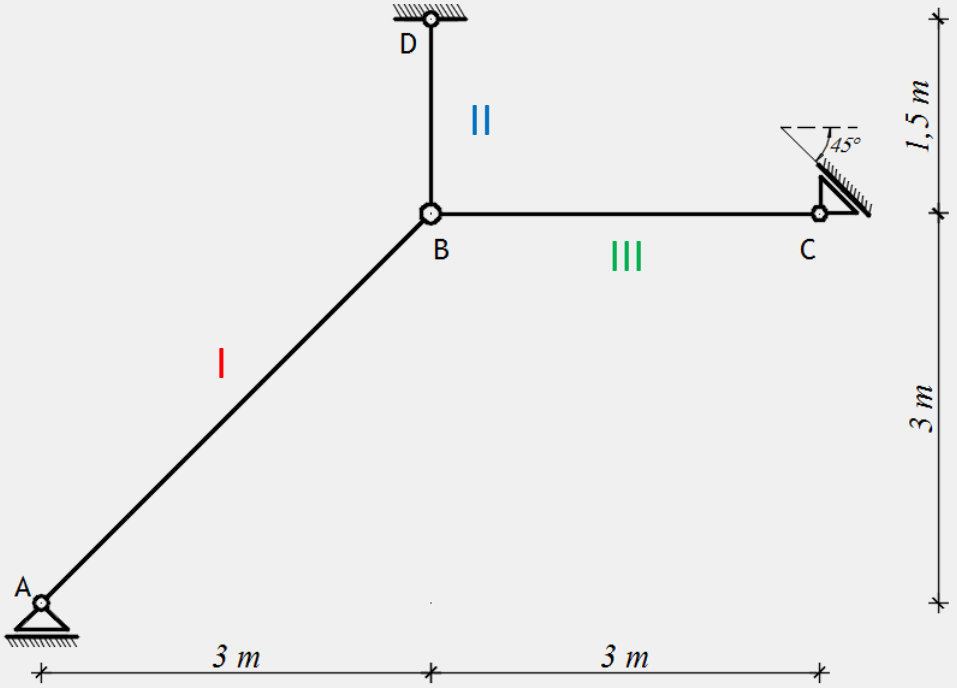
TREBA ODREDITI IZNOSE I VEKTORE BRZINA I UBRZANJA SVIH OZNAČENIH TOČAKA MEHANIZMA.



BRZINE

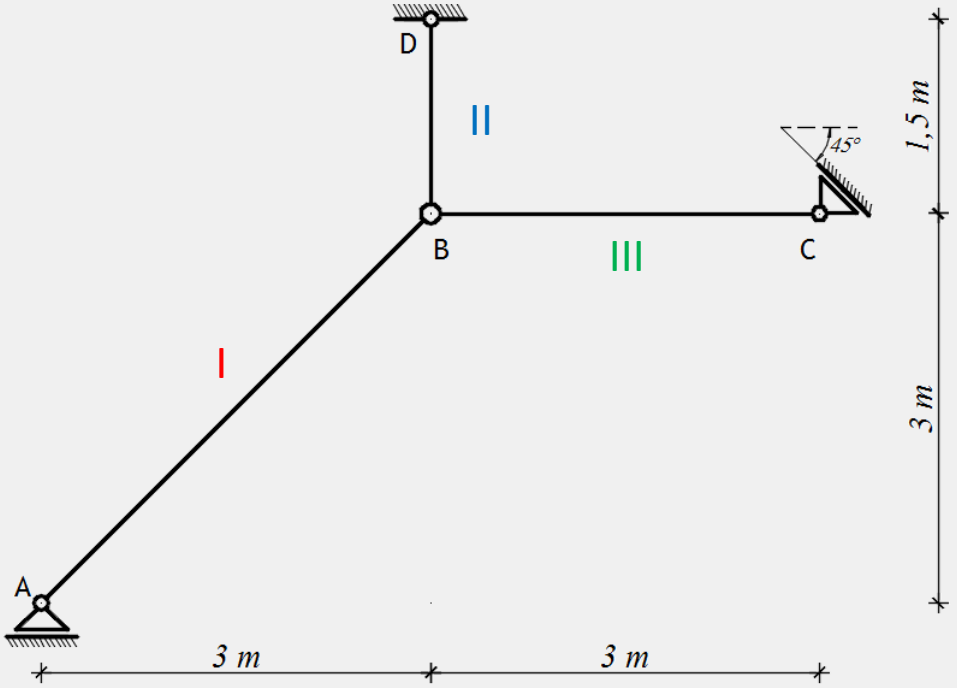


BRZINE

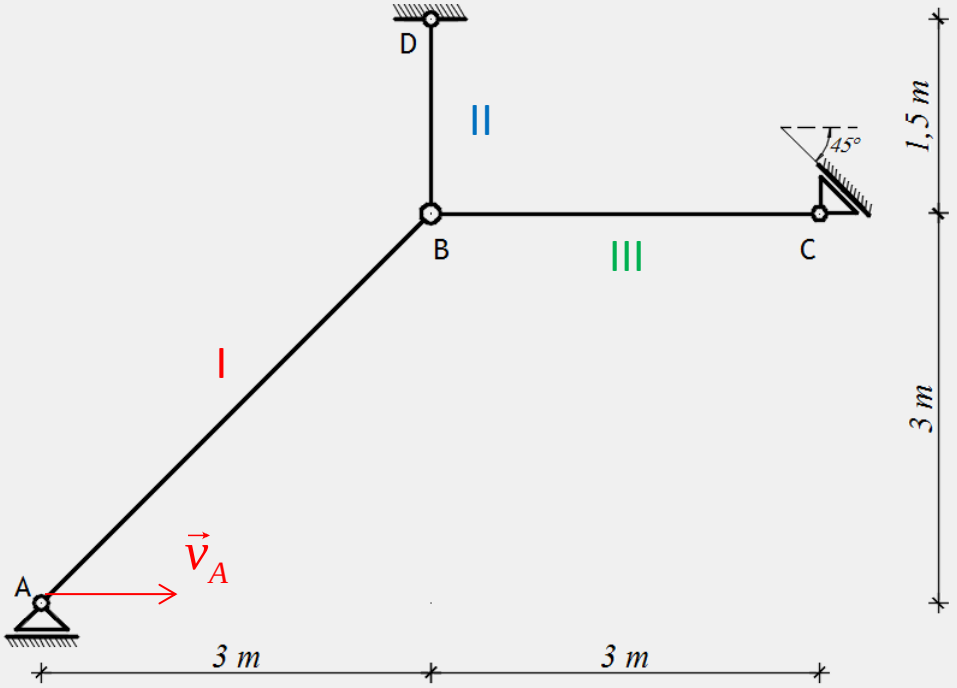


BRZINE

Uvjeti spojeva s podlogom



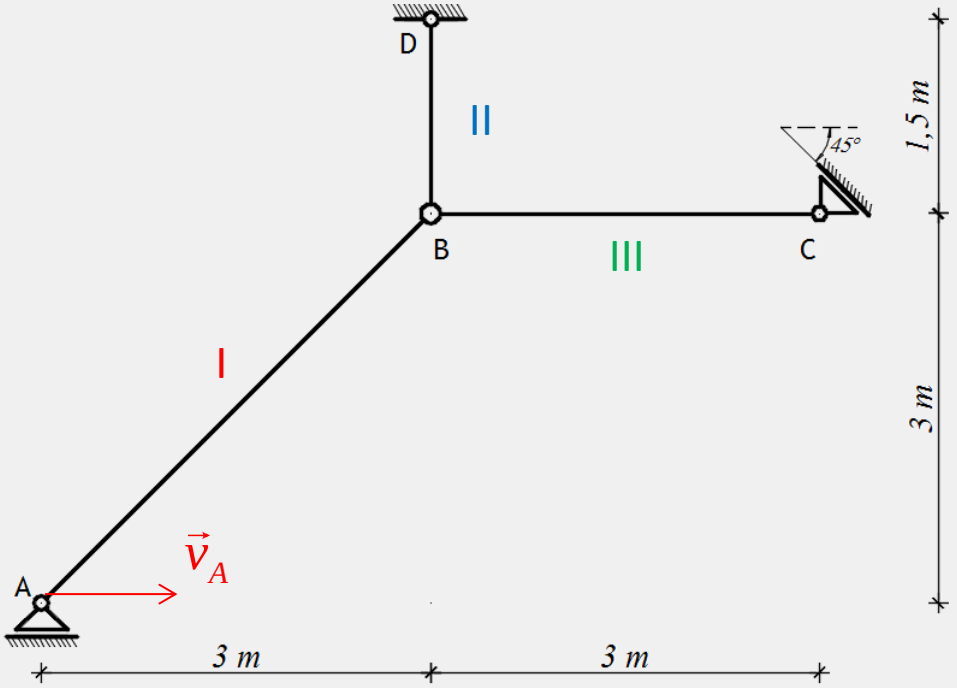
BRZINE



Uvjeti spojeva s podlogom

$$\vec{v}_A = 3\vec{i}$$

BRZINE

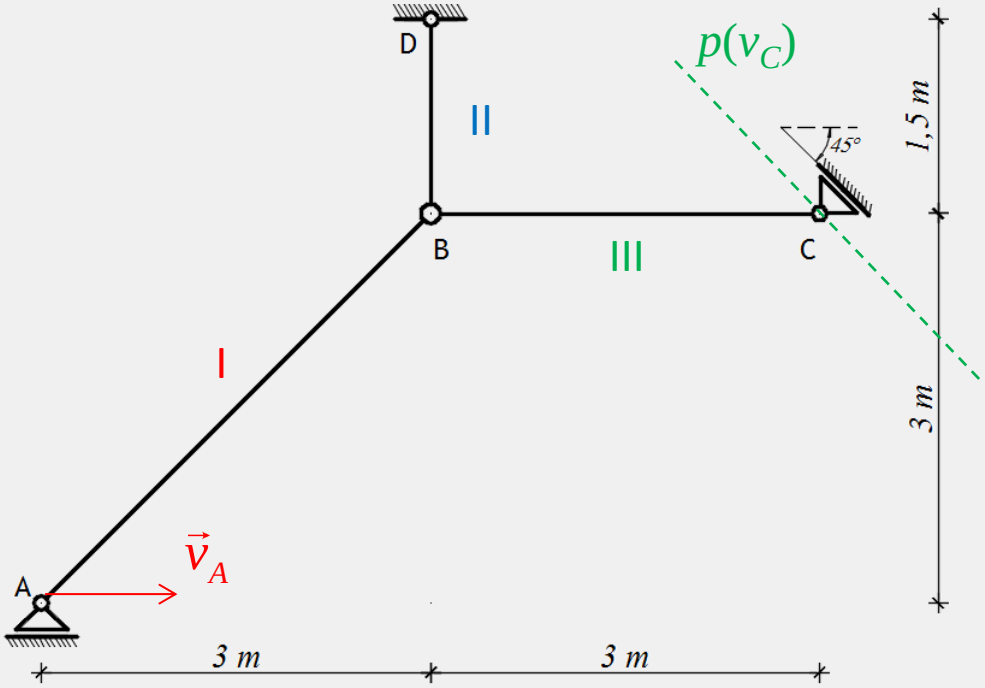


Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

BRZINE

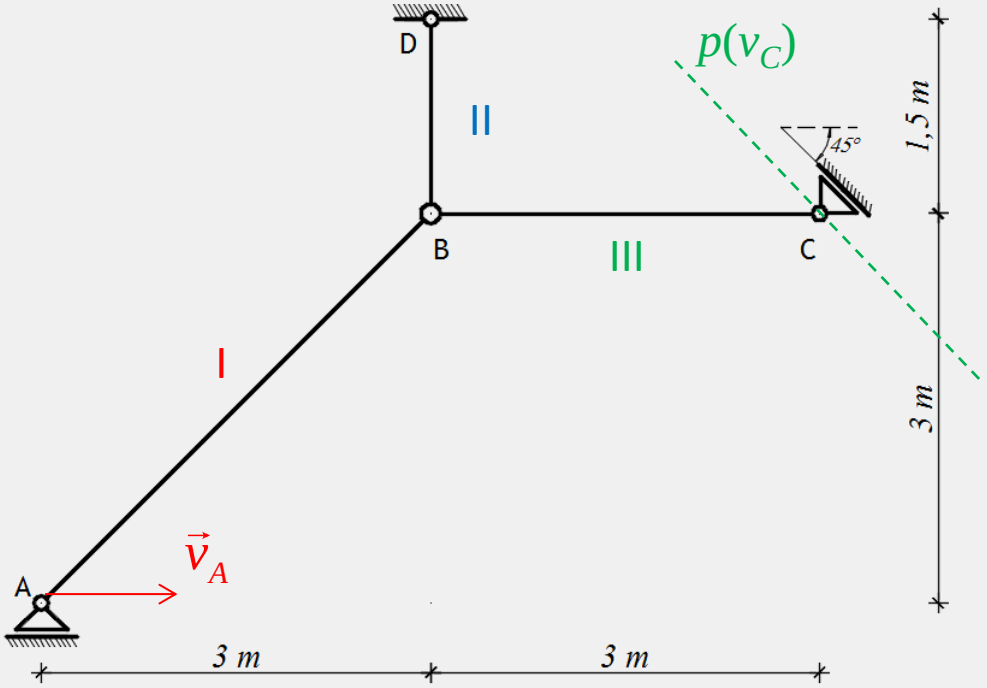


Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

BRZINE



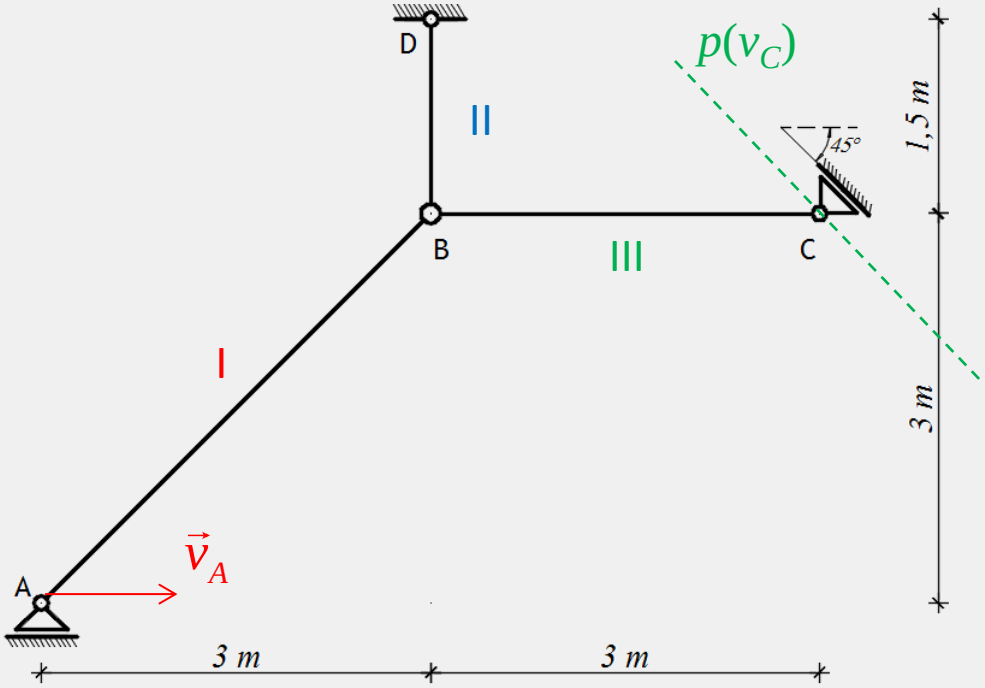
Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

BRZINE



Uvjeti spojeva s podlogom

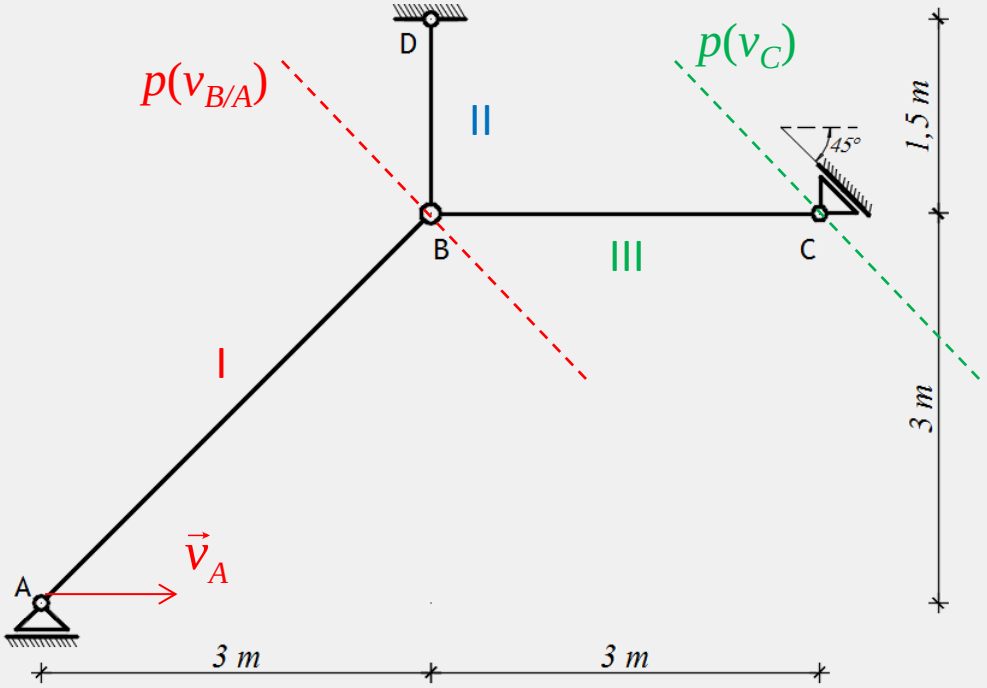
$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$

BRZINE



Uvjeti spojeva s podlogom

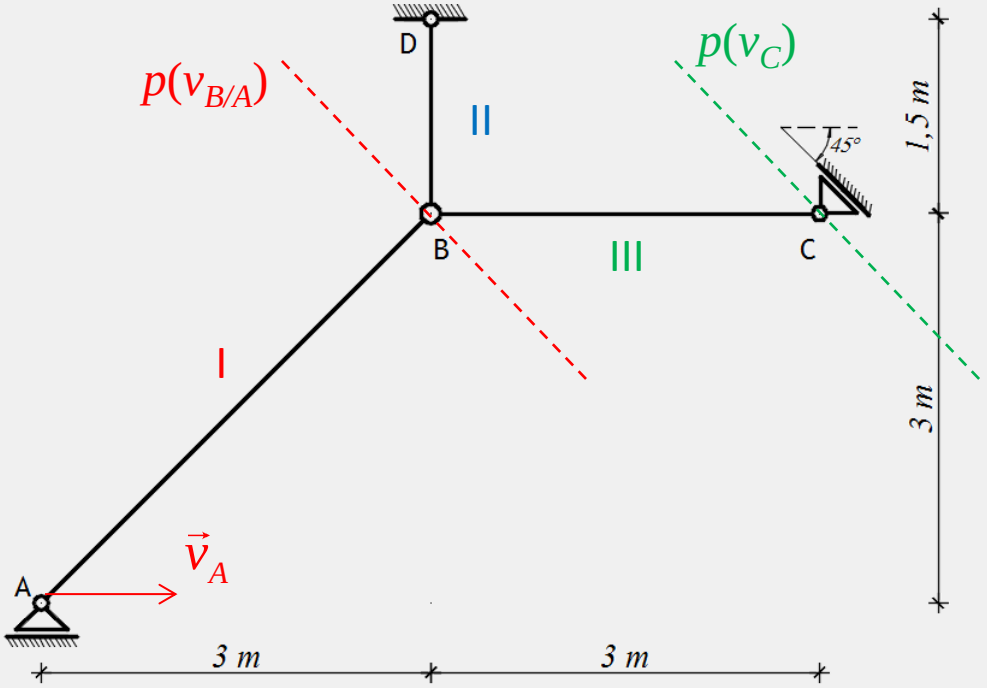
$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad$ $\vec{v}_{B/A} \perp \overline{AB}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

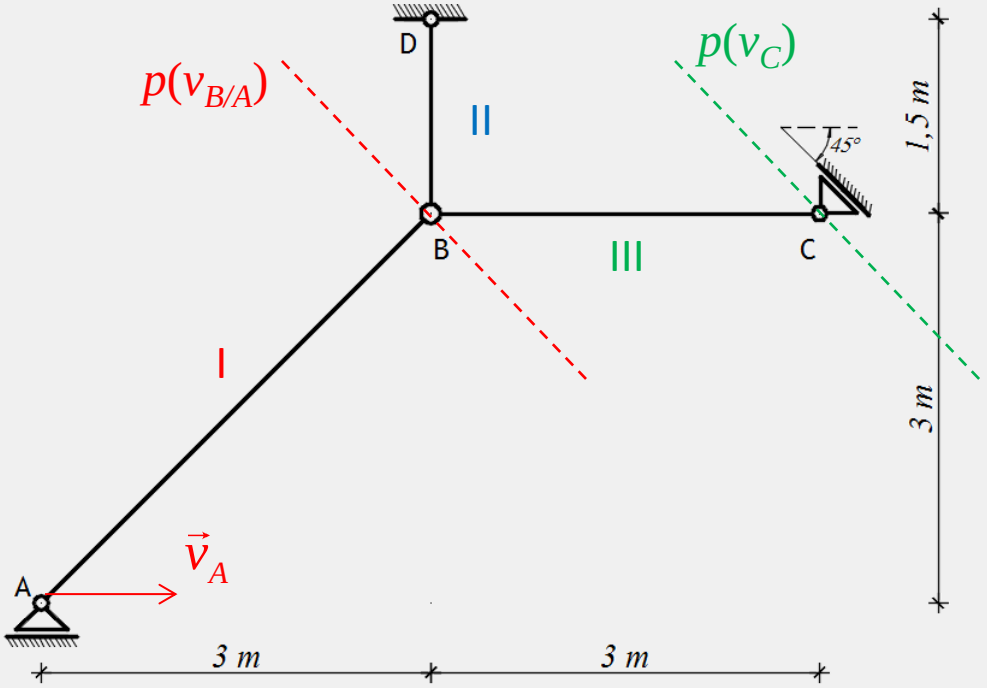
$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

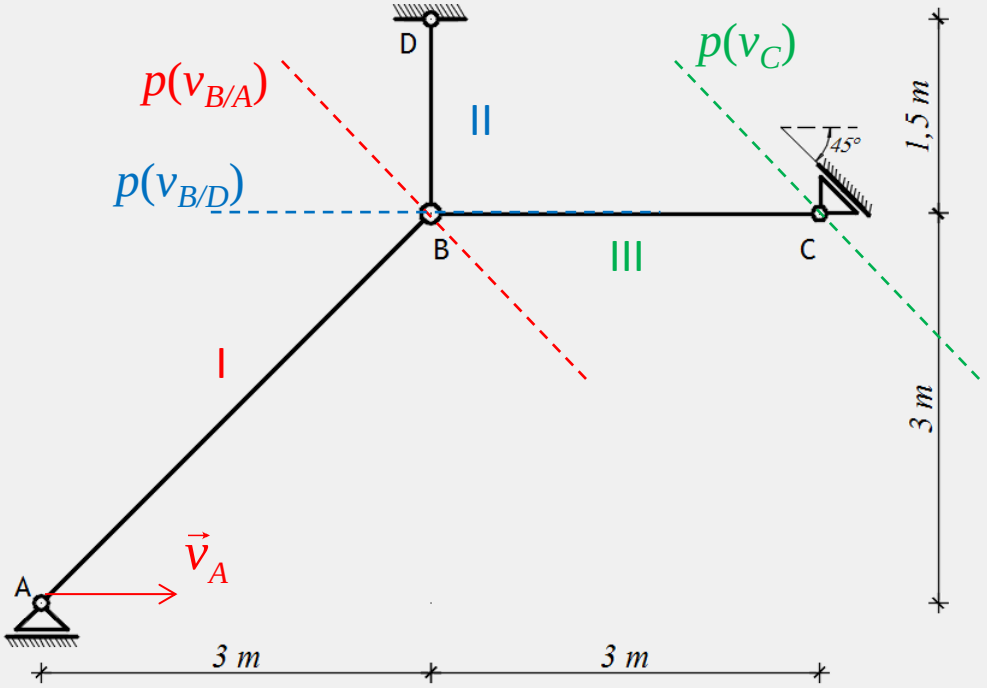
Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

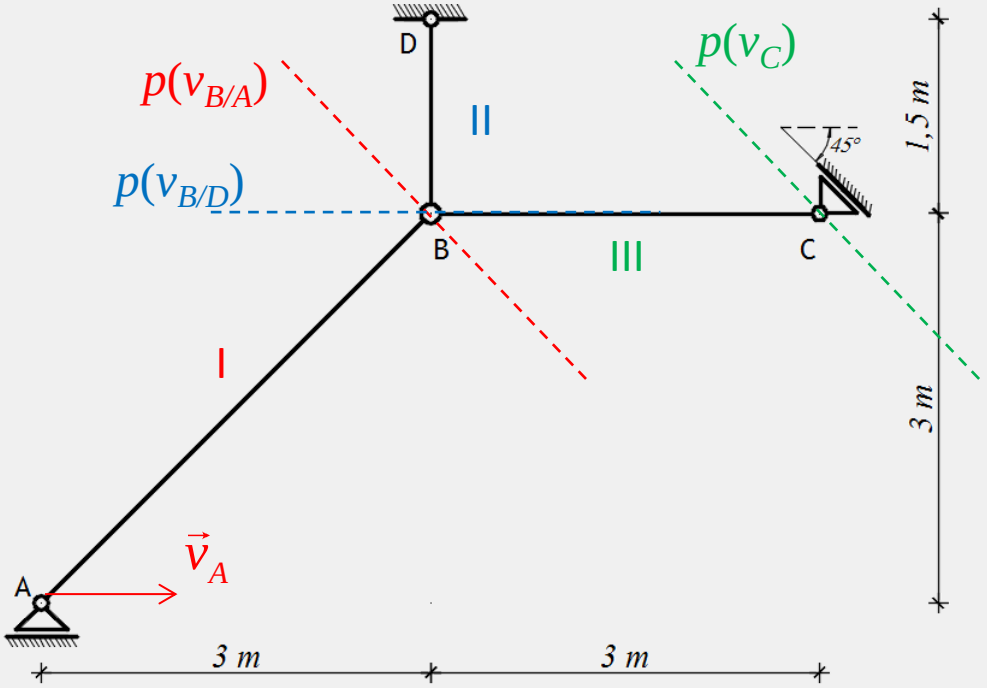
Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

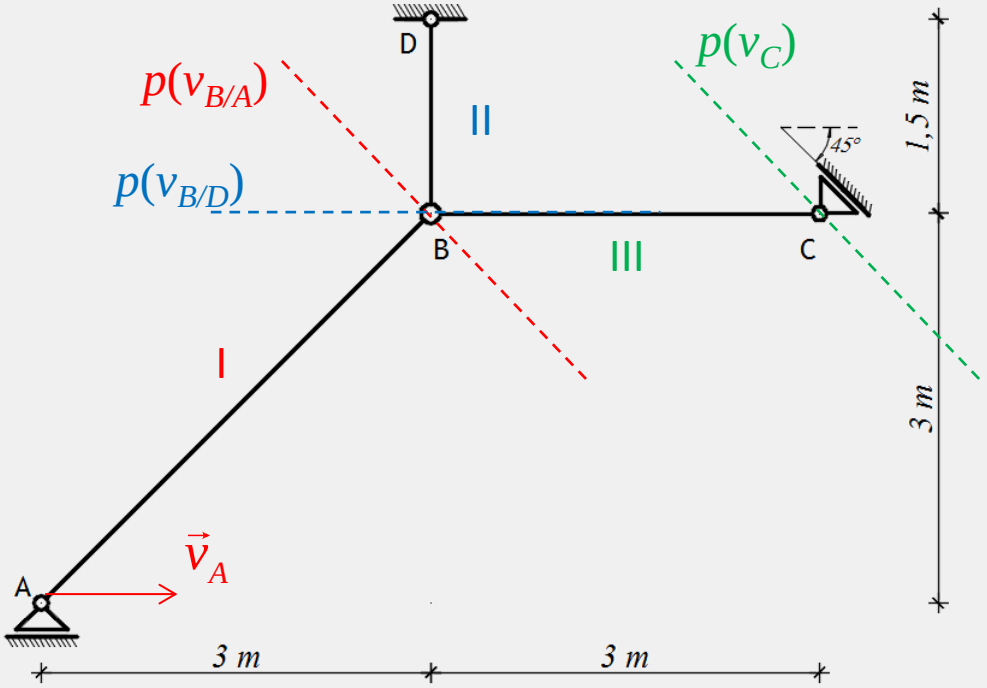
$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

BRZINE



Uvjeti spojeva s podlogom

$$\vec{v}_A = 3\vec{i}$$

$$\vec{v}_D = \vec{0}$$

Gibanje tijela I

$$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A} \qquad \vec{v}_{B/A} \perp \overline{AB}$$

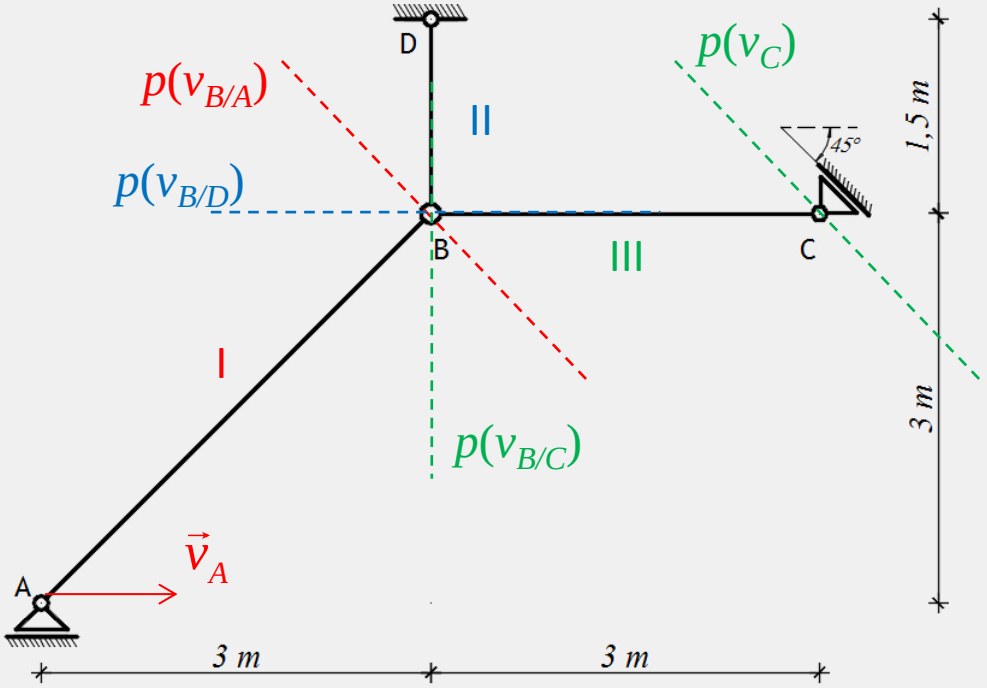
Gibanje tijela II

$$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D} \qquad \vec{v}_{B/D} \perp \overline{BD}$$

Gibanje tijela III

$$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

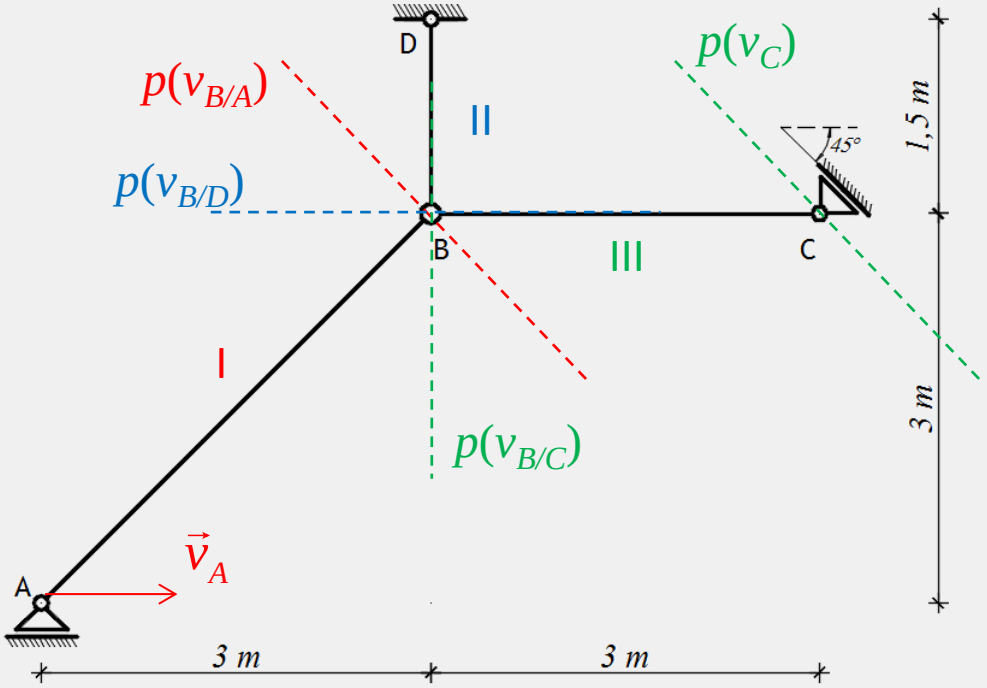
Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

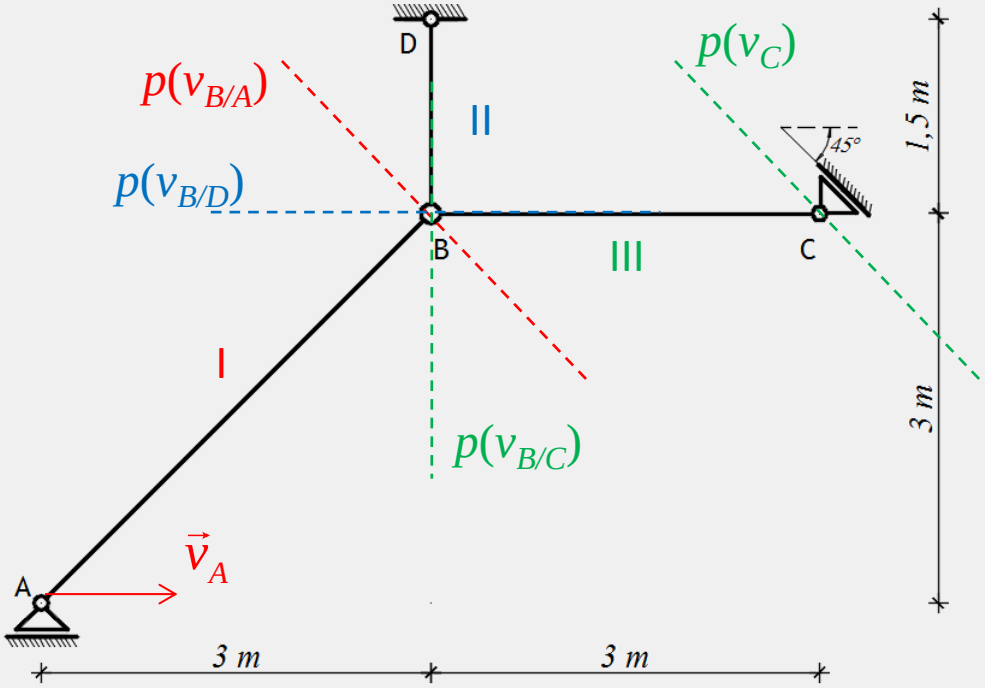
$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

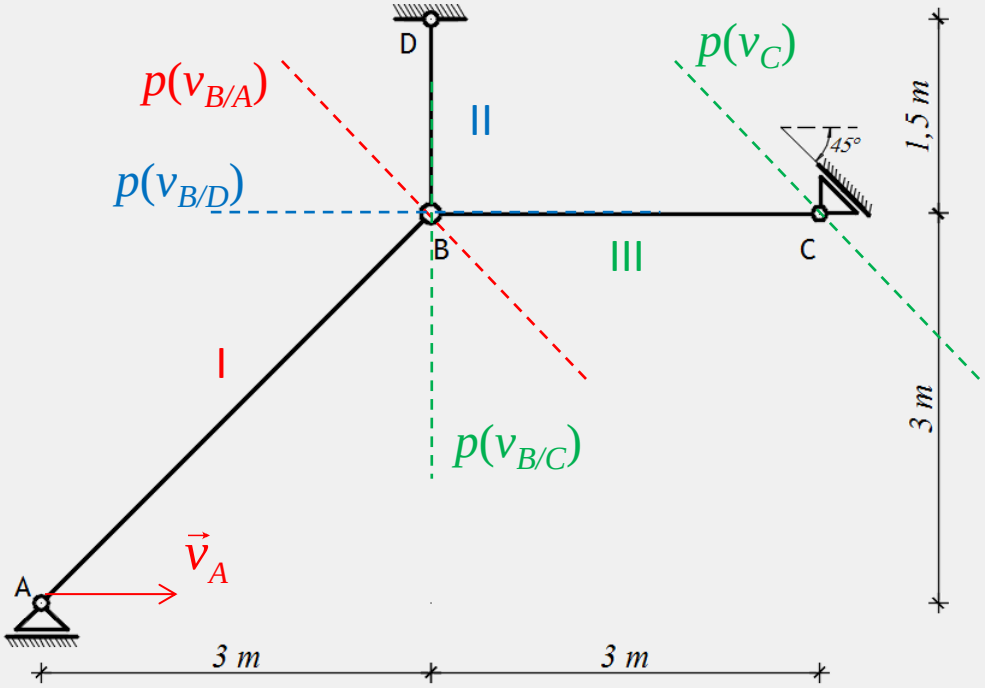
$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

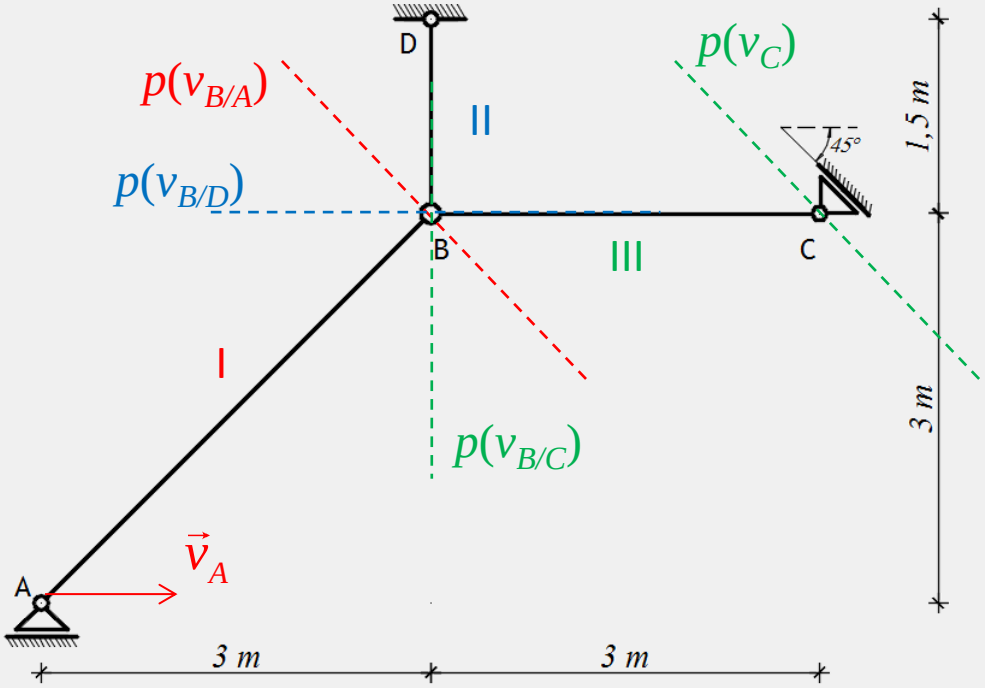
Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_D + \vec{v}_{B/D}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

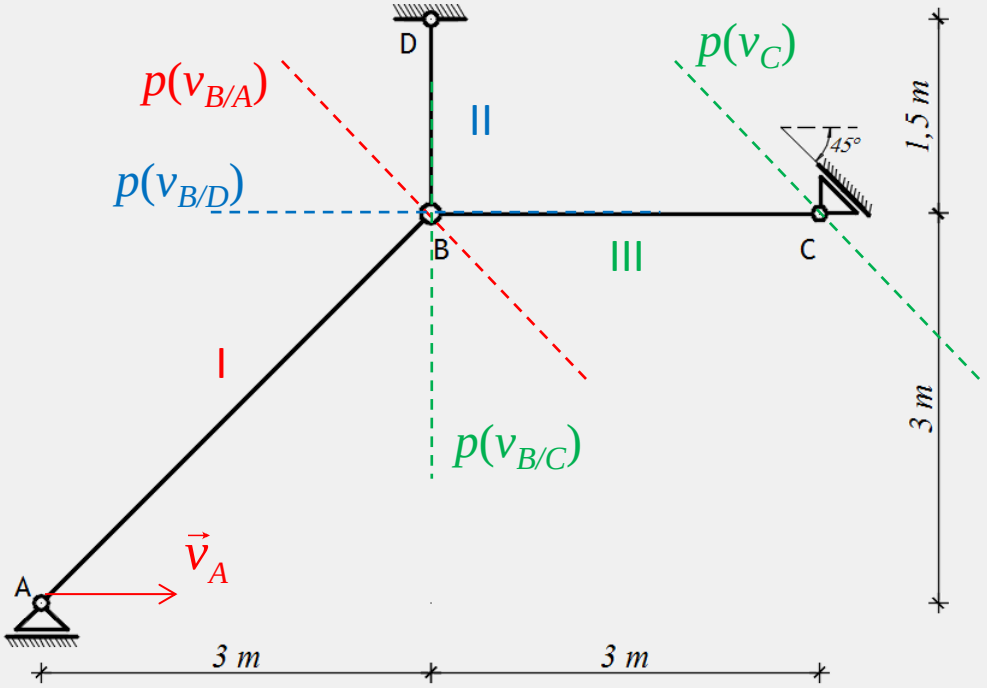
Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

BRZINE



Uvjeti spojeva s podlogom

$$\vec{v}_A = 3\vec{i}$$

$$\vec{v}_D = \vec{0}$$

Gibanje tijela I

$$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A} \qquad \vec{v}_{B/A} \perp \overline{AB}$$

Gibanje tijela II

$$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D} \qquad \vec{v}_{B/D} \perp \overline{BD}$$

Gibanje tijela III

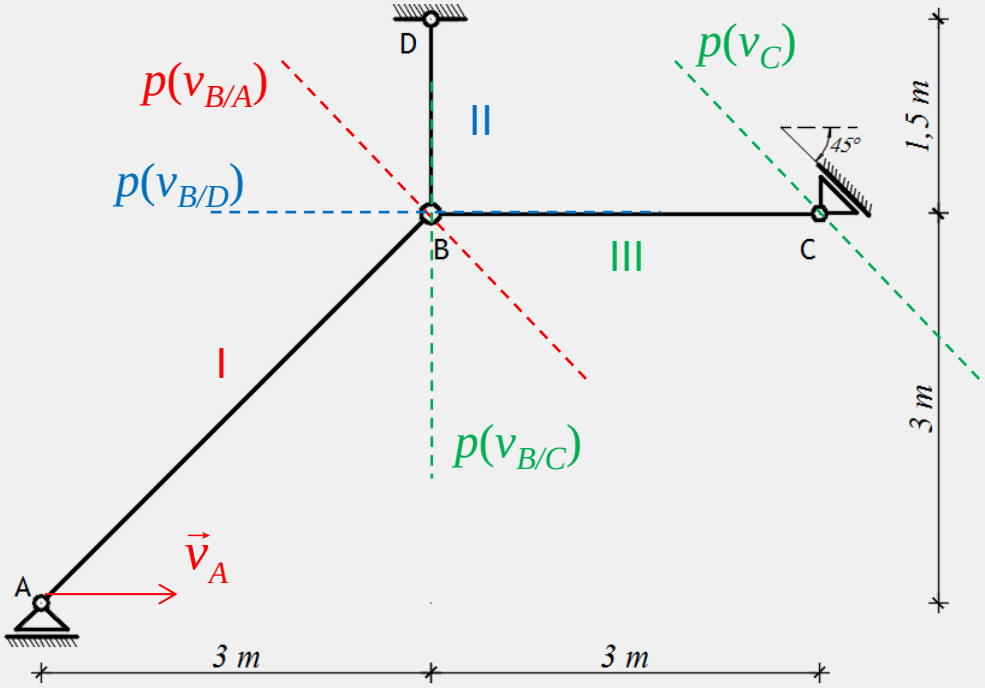
$$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C} \qquad \vec{v}_{B/C} \perp \overline{BC}$$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$$

$$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D}$$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

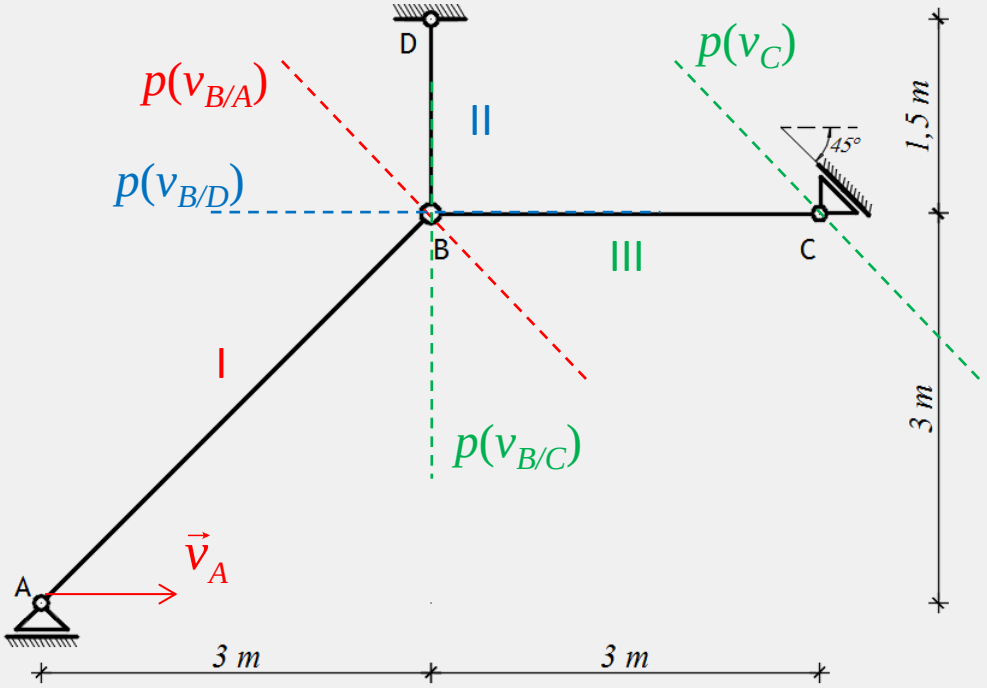
Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D}$

MJ 1cm=1m/s

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

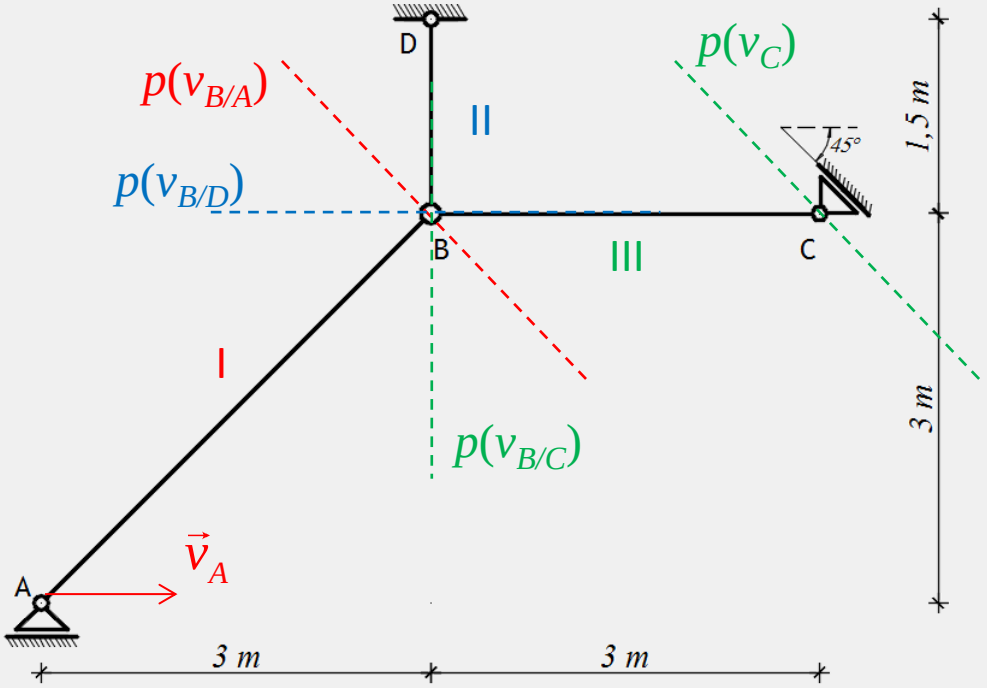
$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D}$

MJ 1cm=1m/s

$\vec{v}_A$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

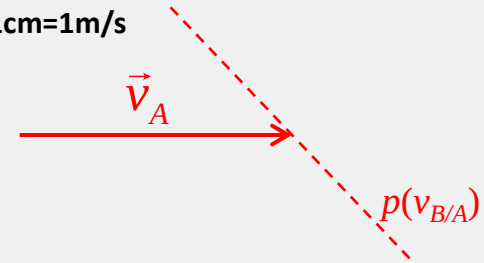
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

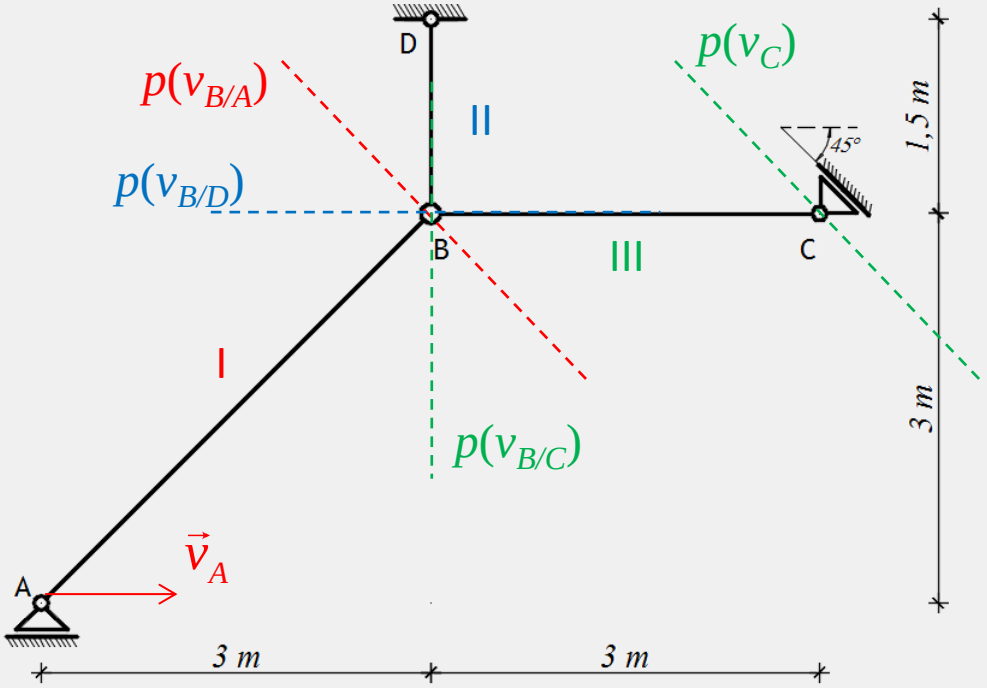
$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D}$

MJ 1cm=1m/s



BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

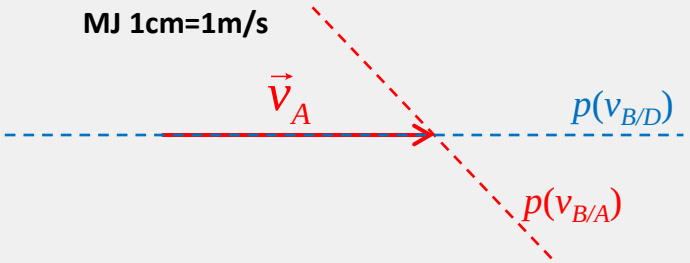
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

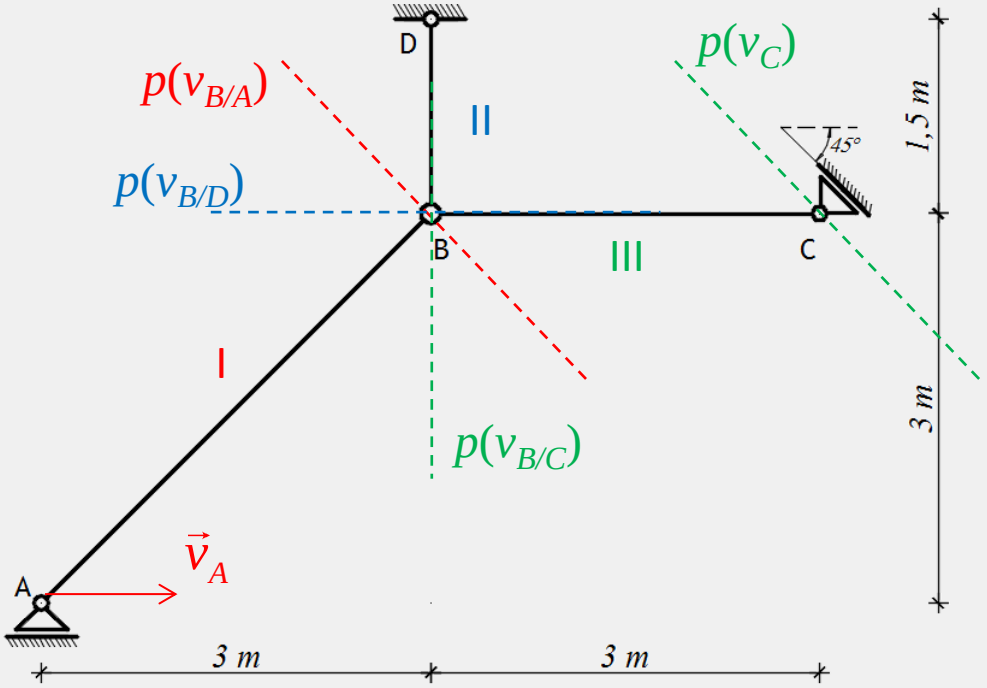
$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D}$

MJ 1cm=1m/s



BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

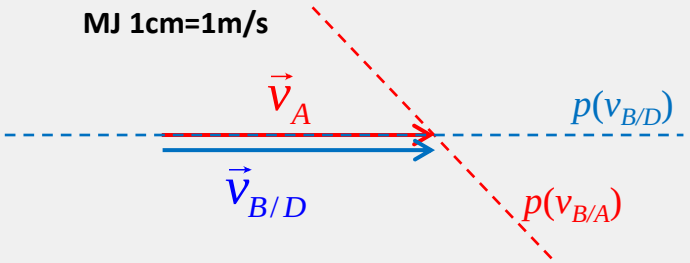
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

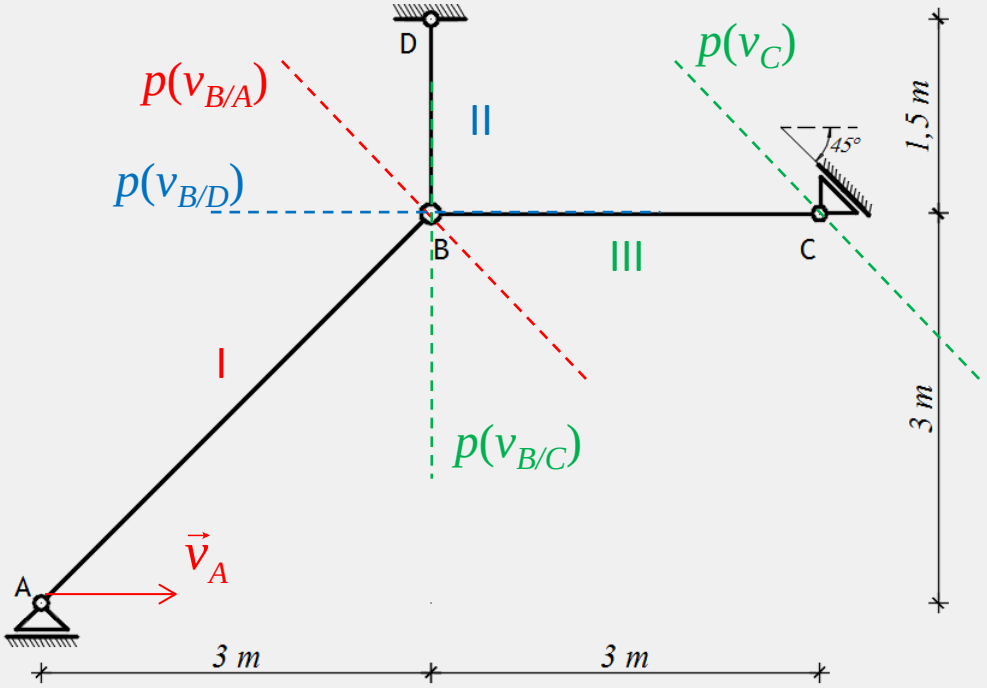
$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D}$

MJ 1cm=1m/s



BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

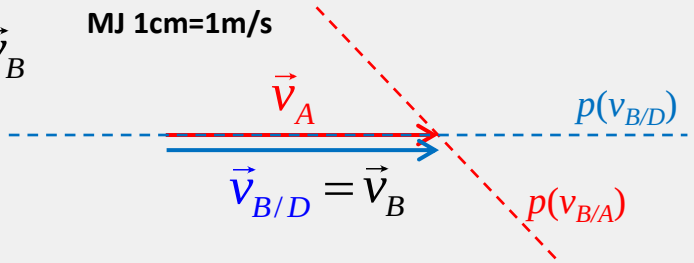
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

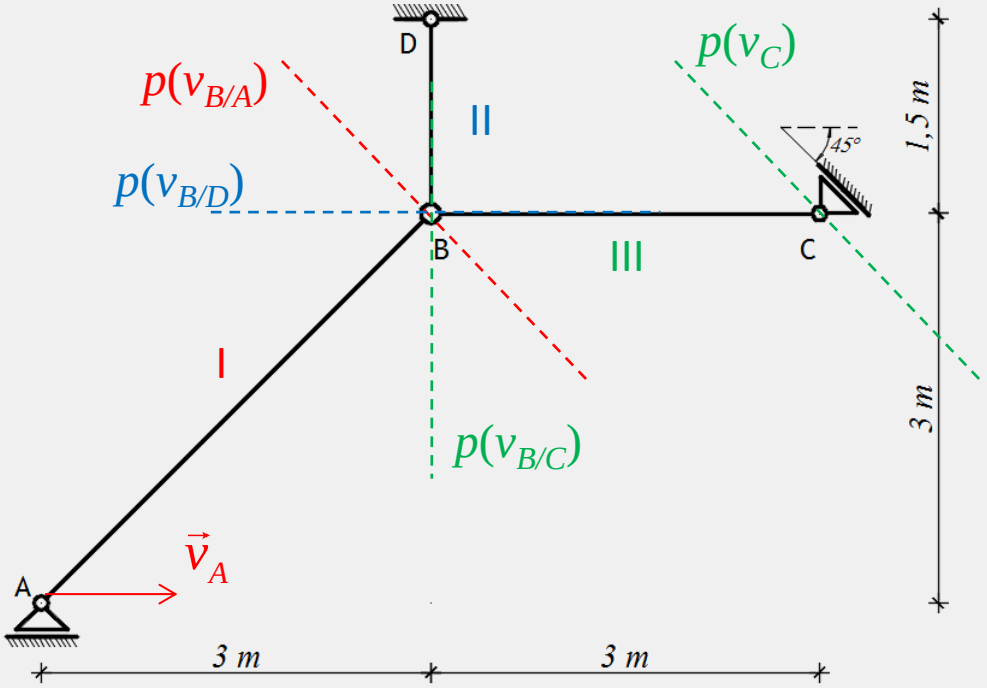
$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$

MJ 1cm=1m/s



BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

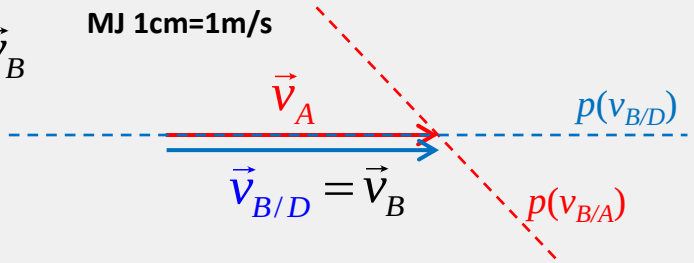
Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

očitano: $v_{B/A} = 0$

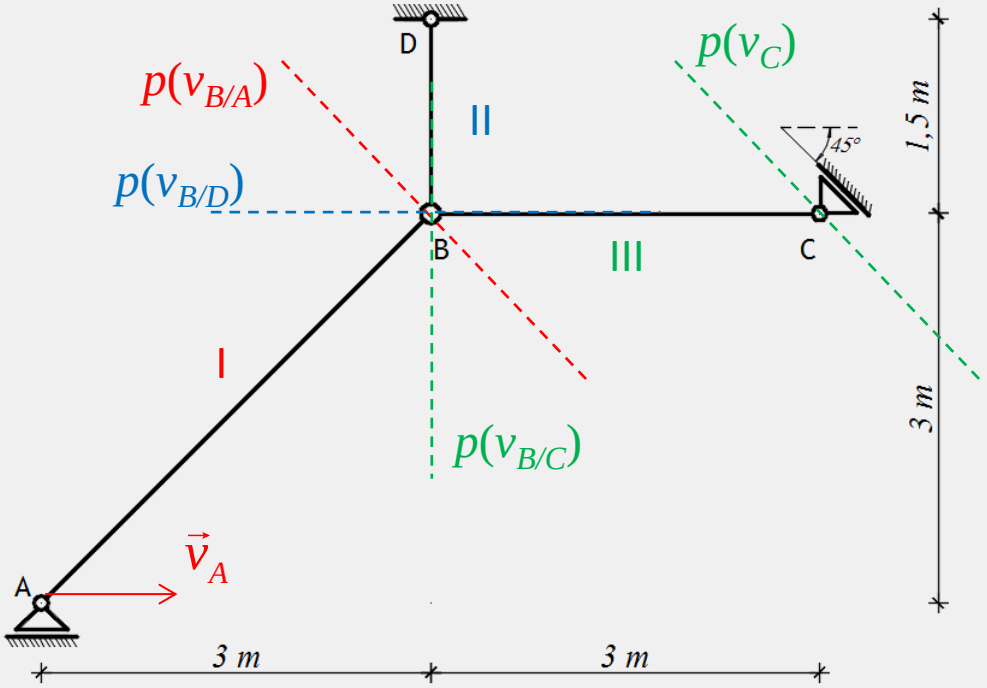
$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_D + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$

MJ 1cm=1m/s



BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

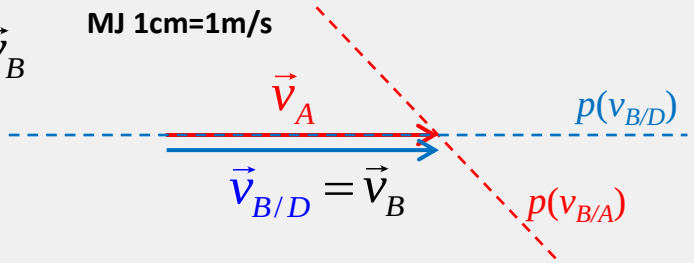
$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$

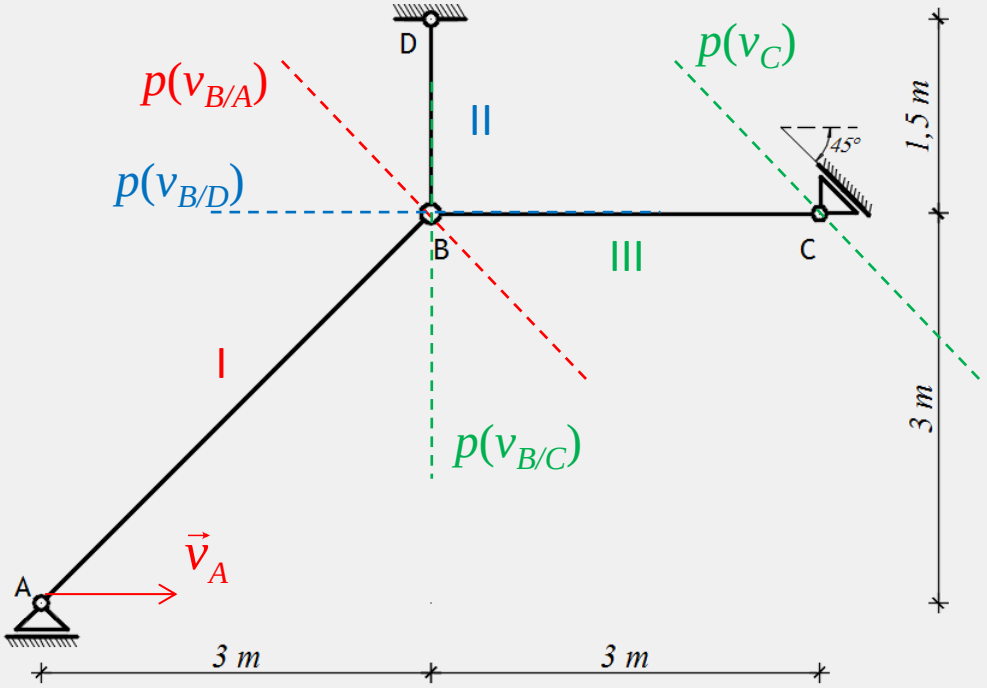
očitano: $v_{B/A} = 0$

$v_{B/D} = 3\ cm = 3\ m/s$

MJ 1cm=1m/s



BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

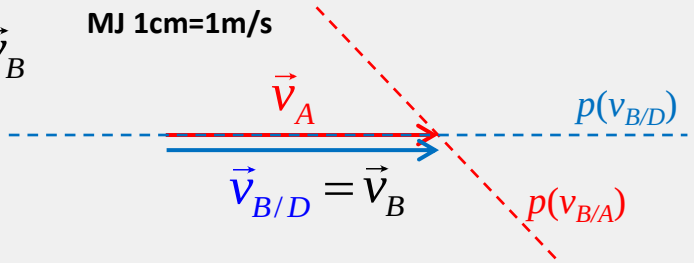
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$

MJ 1cm=1m/s

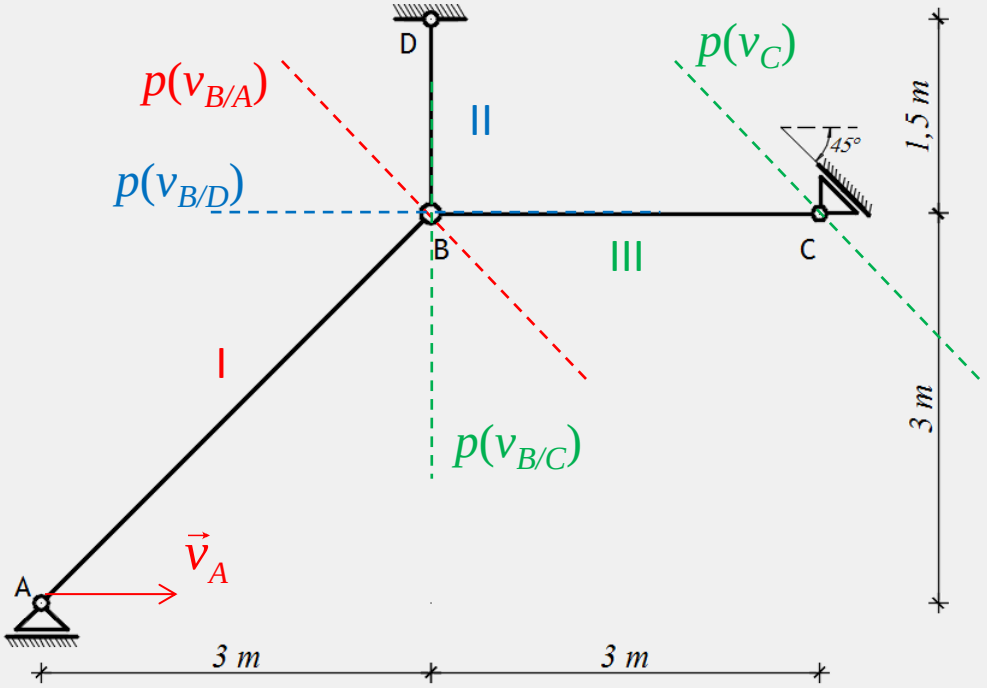


očitano: $v_{B/A} = 0$

$v_{B/D} = 3\ cm = 3\ m/s$

$\omega_I = \frac{v_{B/A}}{\overline{AB}} = 0\ \ r/s$

BRZINE



Uvjeti spojeva s podlogom

$$\vec{v}_A = 3\vec{i}$$

$$\vec{v}_D = \vec{0}$$

Gibanje tijela I

$$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A} \qquad \vec{v}_{B/A} \perp \overline{AB}$$

Gibanje tijela II

$$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D} \qquad \vec{v}_{B/D} \perp \overline{BD}$$

Gibanje tijela III

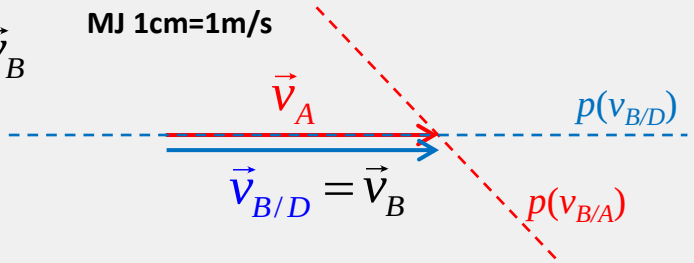
$$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C} \qquad \vec{v}_{B/C} \perp \overline{BC}$$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$$

$$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$$

MJ 1cm=1m/s



očitano:

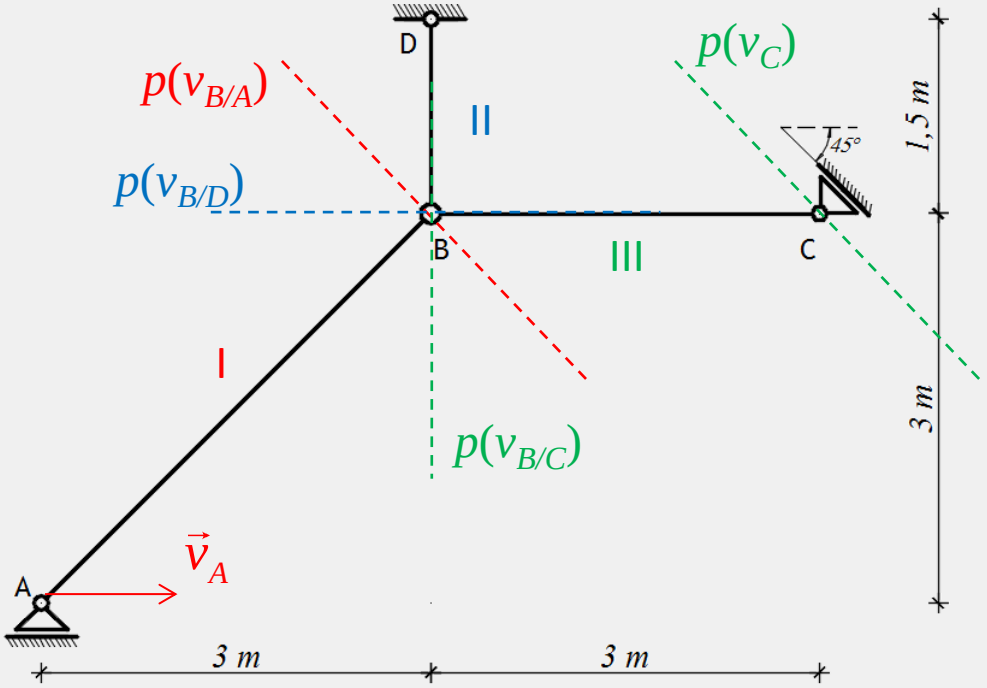
$$v_{B/A} = 0$$

$$v_{B/D} = 3\ cm = 3\ m/s$$

$$\omega_I = \frac{v_{B/A}}{\overline{AB}} = 0\ \ r/s$$

$$\omega_{II} = \frac{v_{B/D}}{\overline{BD}} = \frac{3}{1,5} = 2\ r/s$$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

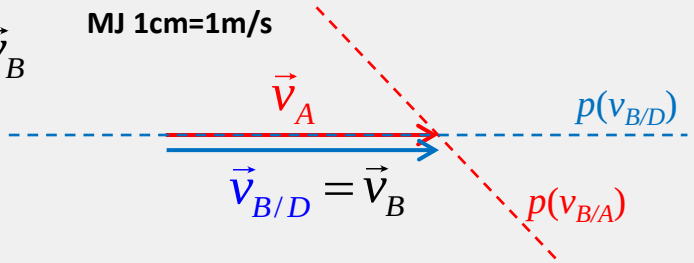
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$

MJ 1cm=1m/s



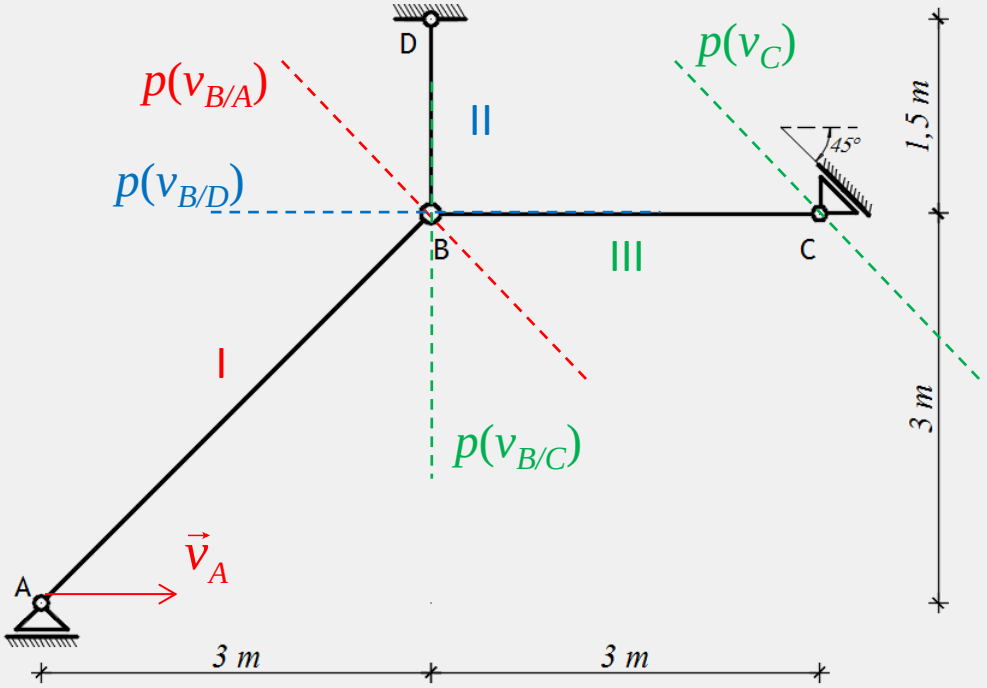
očitano: $v_{B/A} = 0$

$v_{B/D} = 3\ cm = 3\ m/s$

$\omega_I = \frac{v_{B/A}}{\overline{AB}} = 0\ \ r/s$

$\omega_{II} = \frac{v_{B/D}}{\overline{BD}} = \frac{3}{1,5} = 2\ r/s \qquad \vec{\omega}_{II} = 2\vec{k}$

BRZINE



Uvjeti spojeva s podlogom

$\vec{v}_A = 3\vec{i}$

$\vec{v}_D = \vec{0}$

Gibanje tijela I

$\vec{v}_B^{\,I} = \vec{v}_A + \vec{v}_{B/A}$ $\qquad \vec{v}_{B/A} \perp \overline{AB}$

Gibanje tijela II

$\vec{v}_B^{\,II} = \vec{v}_D + \vec{v}_{B/D}$ $\qquad \vec{v}_{B/D} \perp \overline{BD}$

Gibanje tijela III

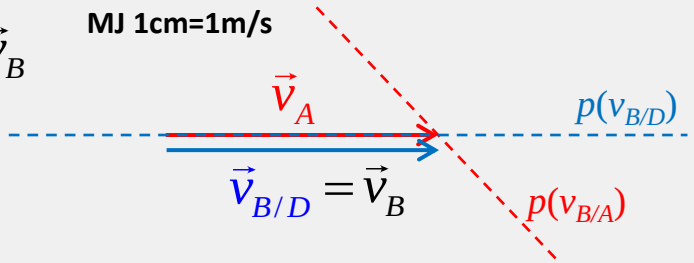
$\vec{v}_B^{\,III} = \vec{v}_C + \vec{v}_{B/C}$ $\qquad \vec{v}_{B/C} \perp \overline{BC}$

Uvjet spoja tijela $\boxed{\vec{v}_B^{\,I} = \vec{v}_B^{\,II}} = \vec{v}_B^{\,III}$

$\vec{v}_A + \vec{v}_{B/A} = \cancel{\vec{v}_D} + \vec{v}_{B/D}$

$\vec{v}_A + \vec{v}_{B/A} = \vec{v}_{B/D} = \vec{v}_B$

MJ 1cm=1m/s



očitano: $v_{B/A} = 0$

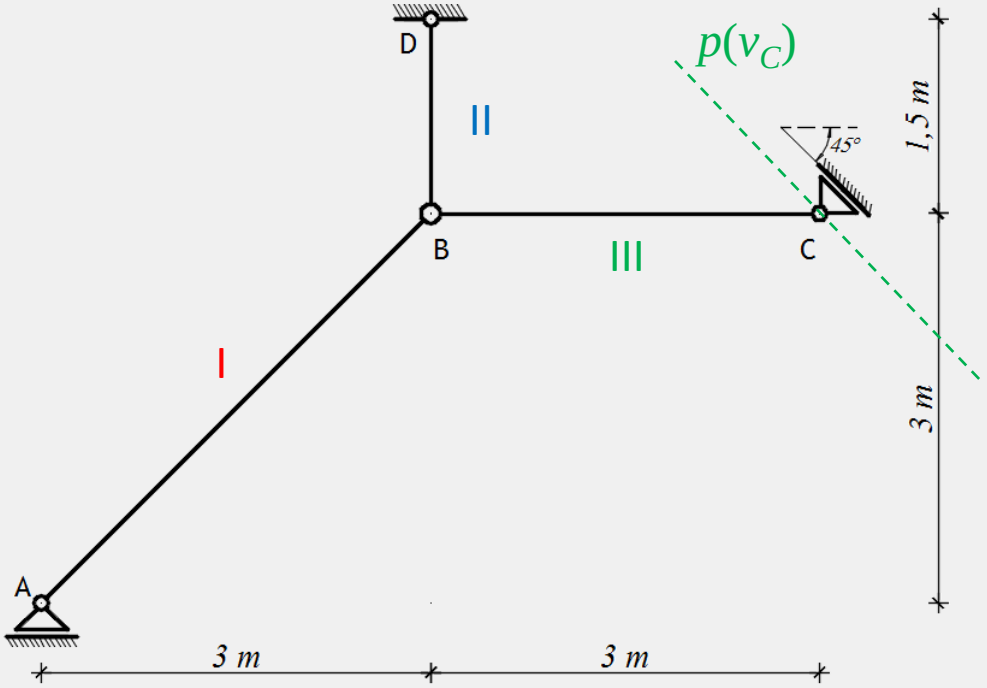
$v_{B/D} = 3\ cm = 3\ m/s$

$\omega_I = \frac{v_{B/A}}{\overline{AB}} = 0\ \ r/s$

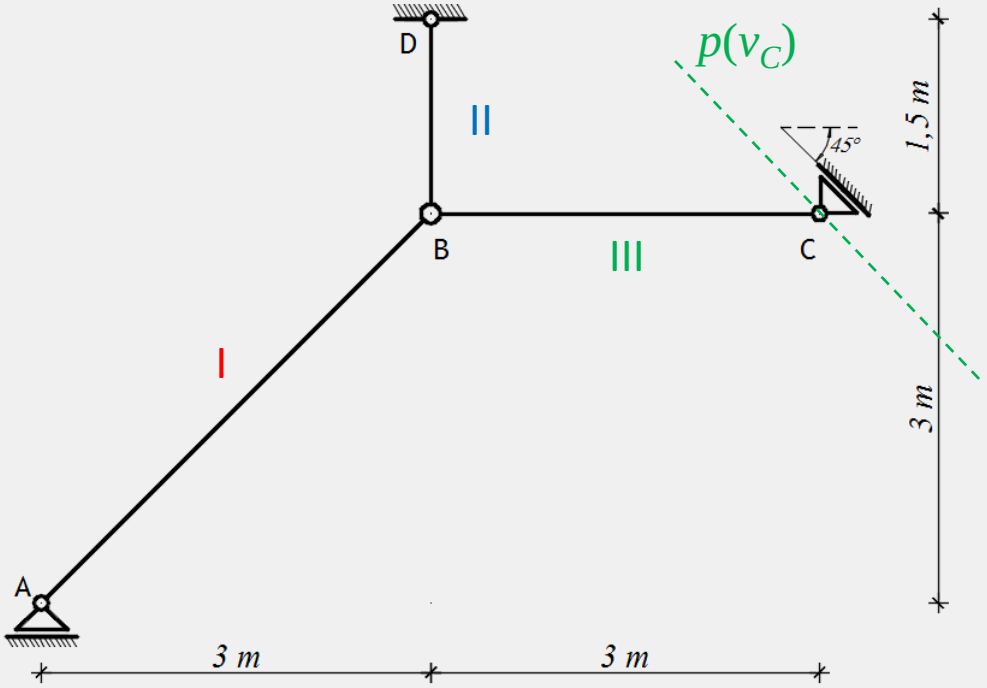
$\omega_{II} = \frac{v_{B/D}}{\overline{BD}} = \frac{3}{1,5} = 2\ r/s \qquad \vec{\omega}_{II} = 2\vec{k}$

$\vec{v}_B = 3\vec{i}$

BRZINE



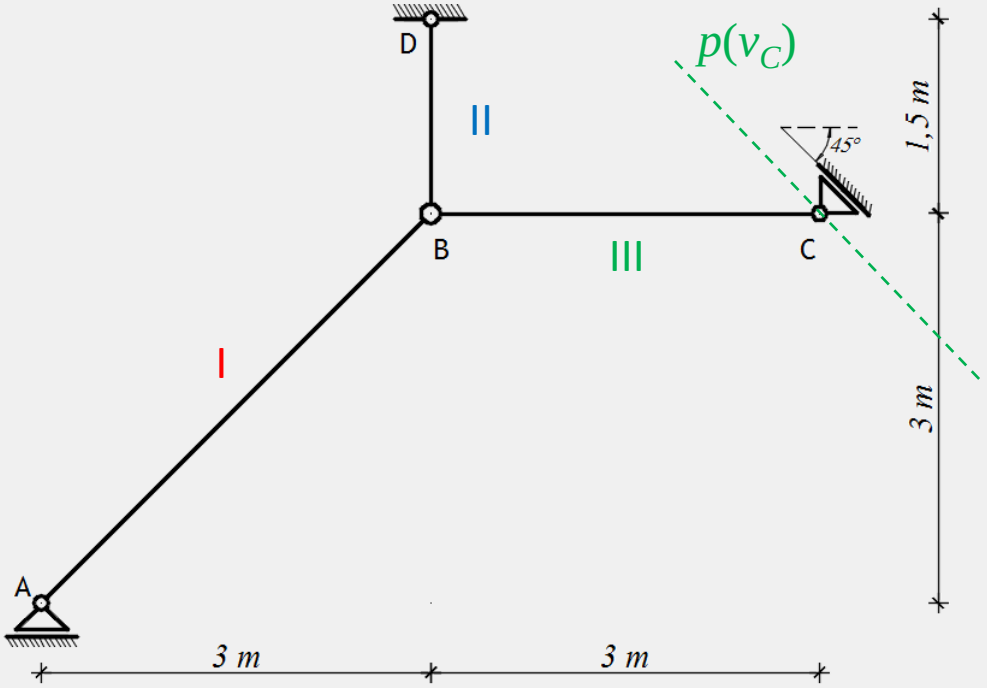
BRZINE



Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

BRZINE



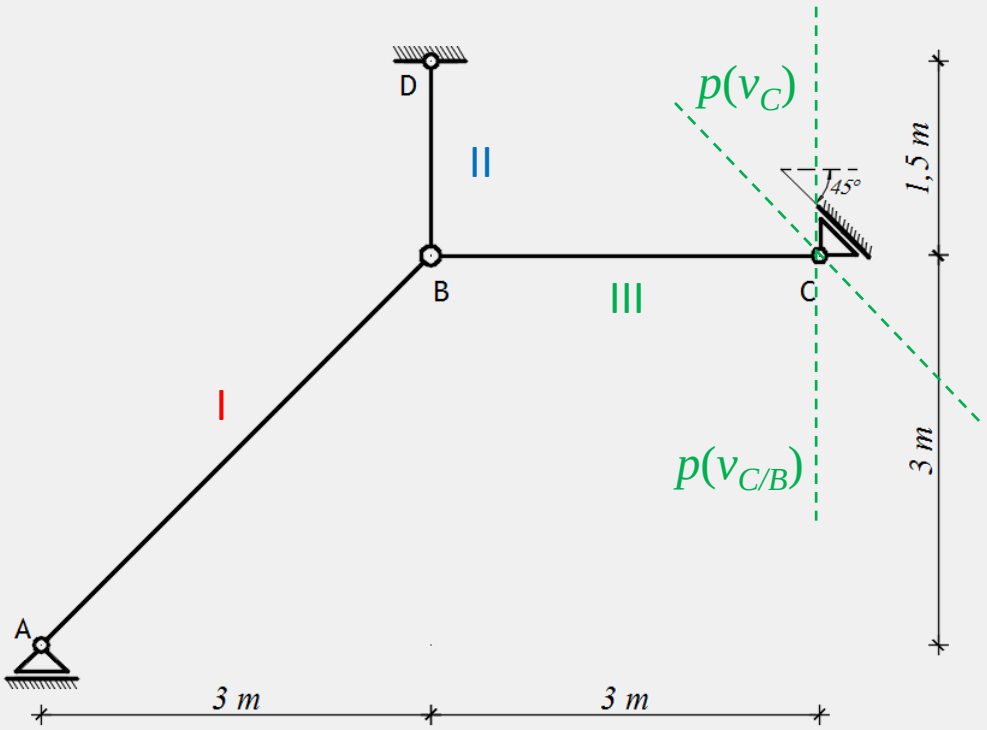
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B}$$

BRZINE



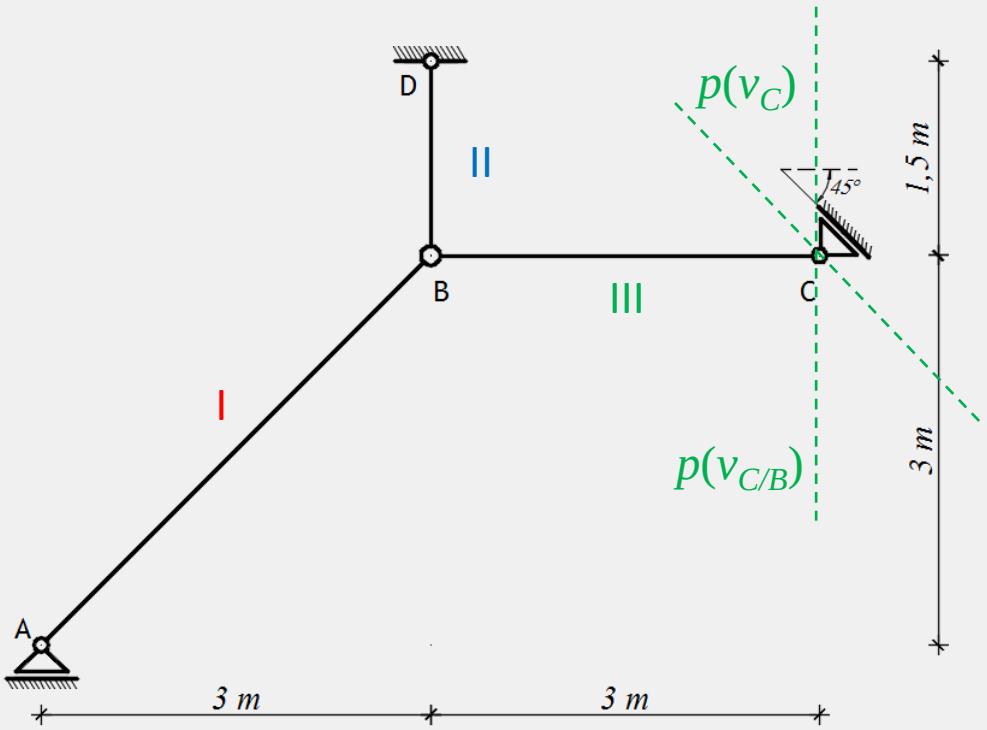
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

BRZINE



Uvjet spoja tijela

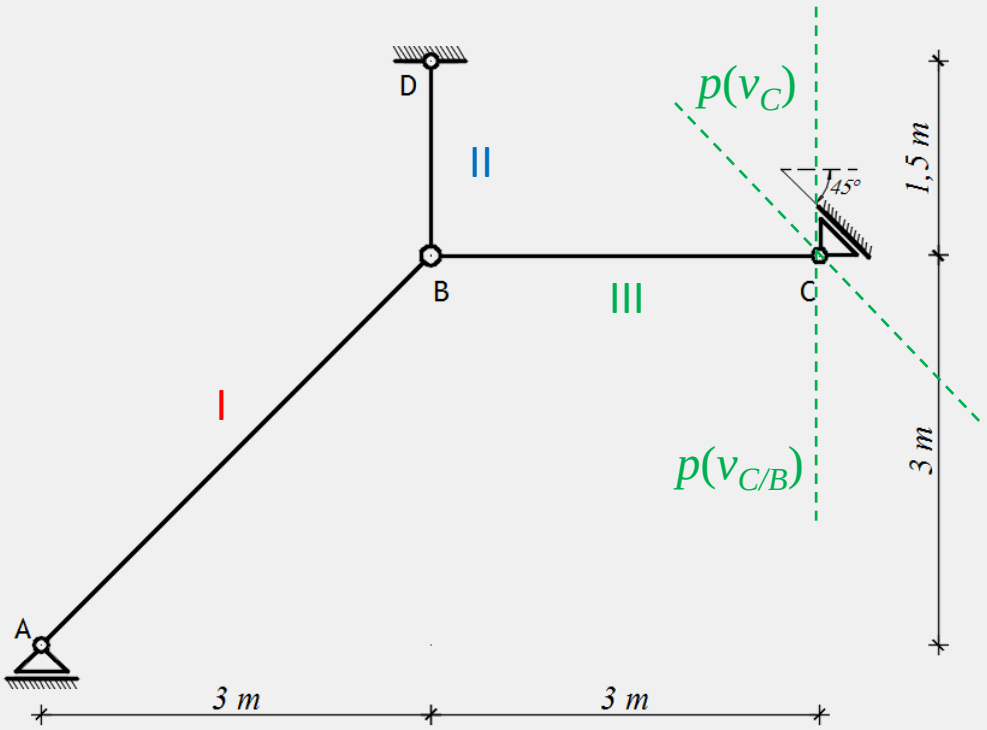
$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

MJ 1cm=1m/s

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

BRZINE



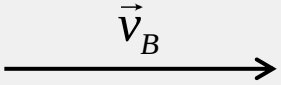
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

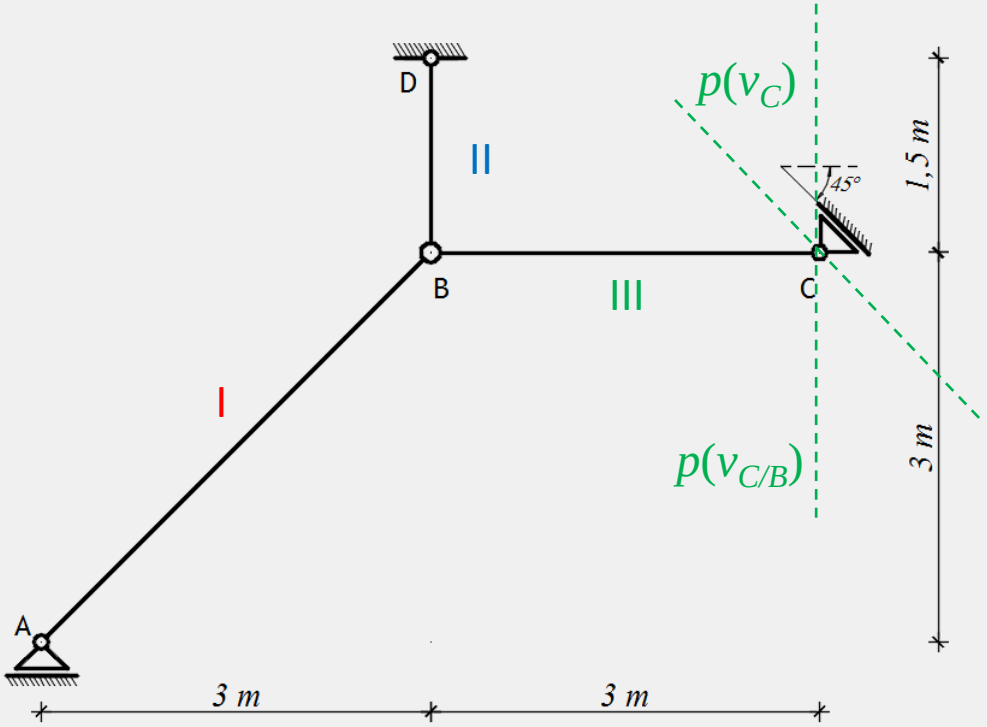
Gibanje tijela III

MJ 1cm=1m/s

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$



BRZINE



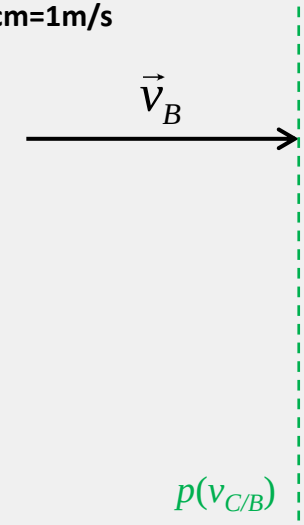
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

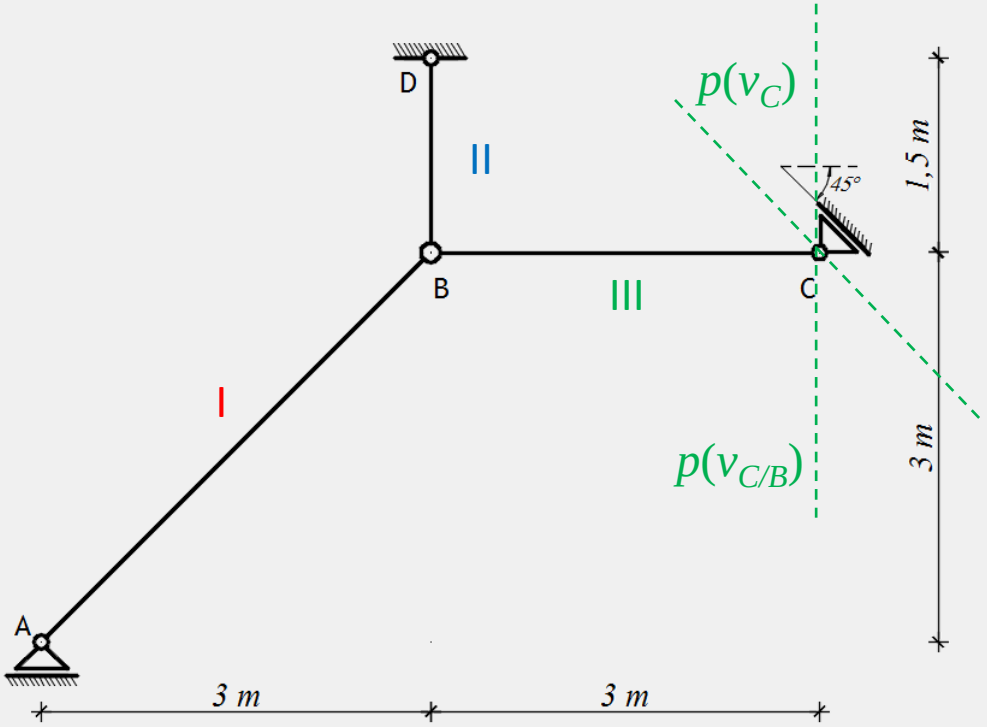
Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s



BRZINE



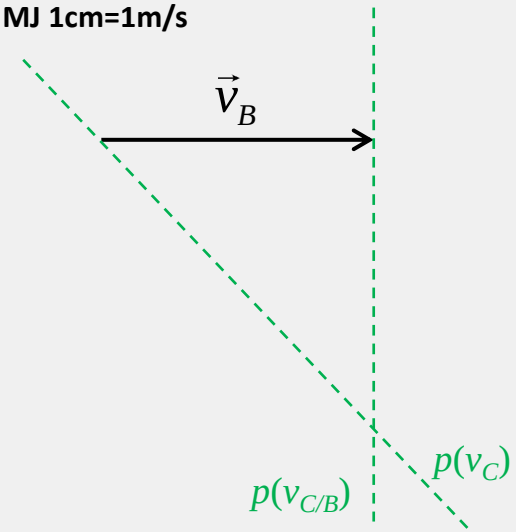
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

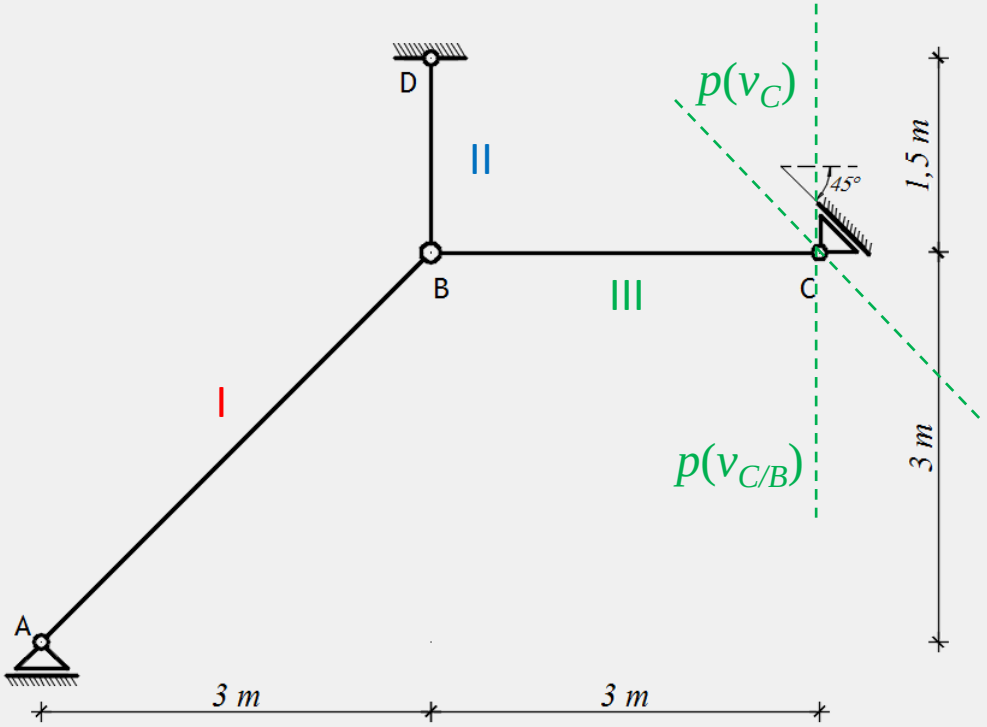
Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s



BRZINE



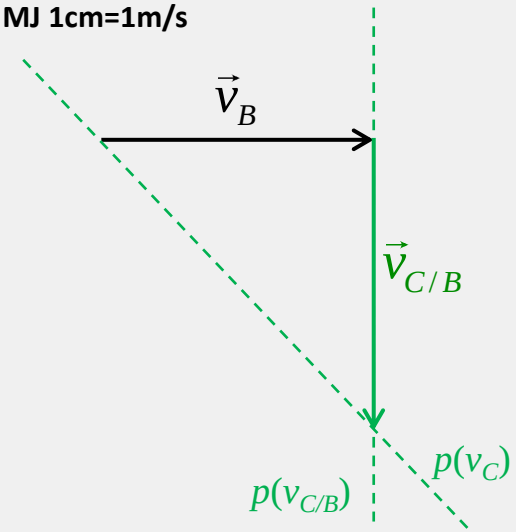
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

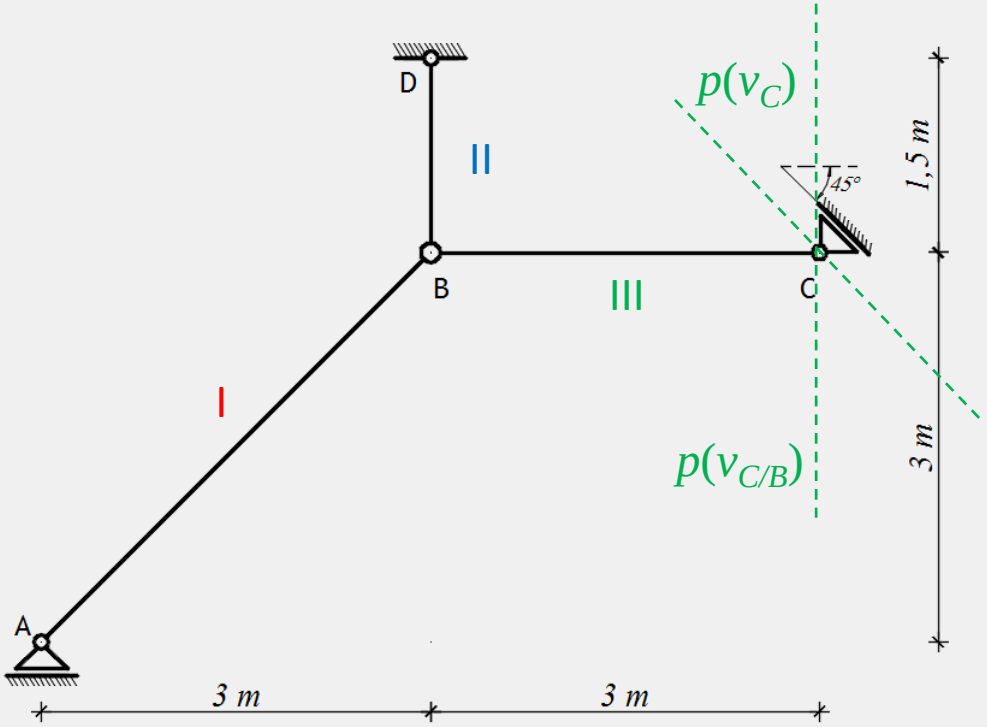
Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s



BRZINE



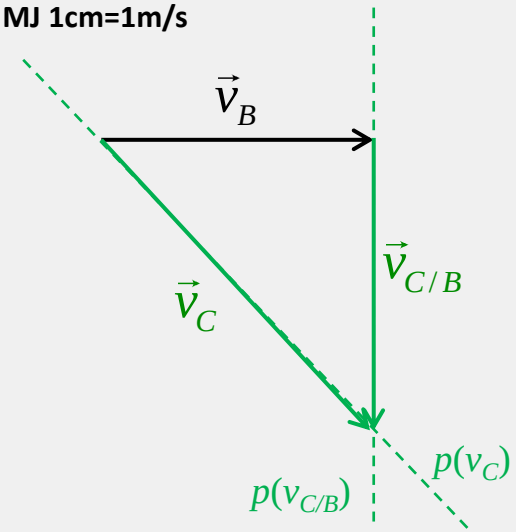
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

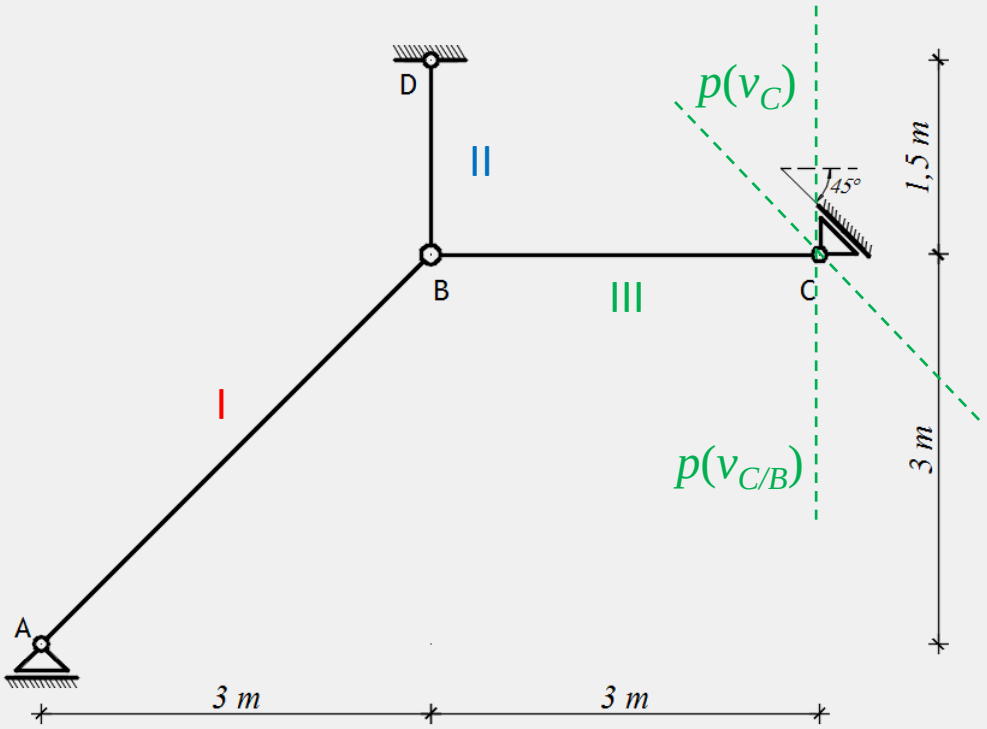
Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s



BRZINE



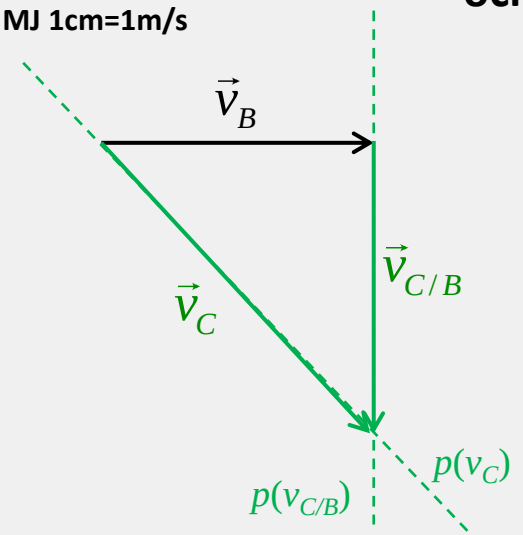
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

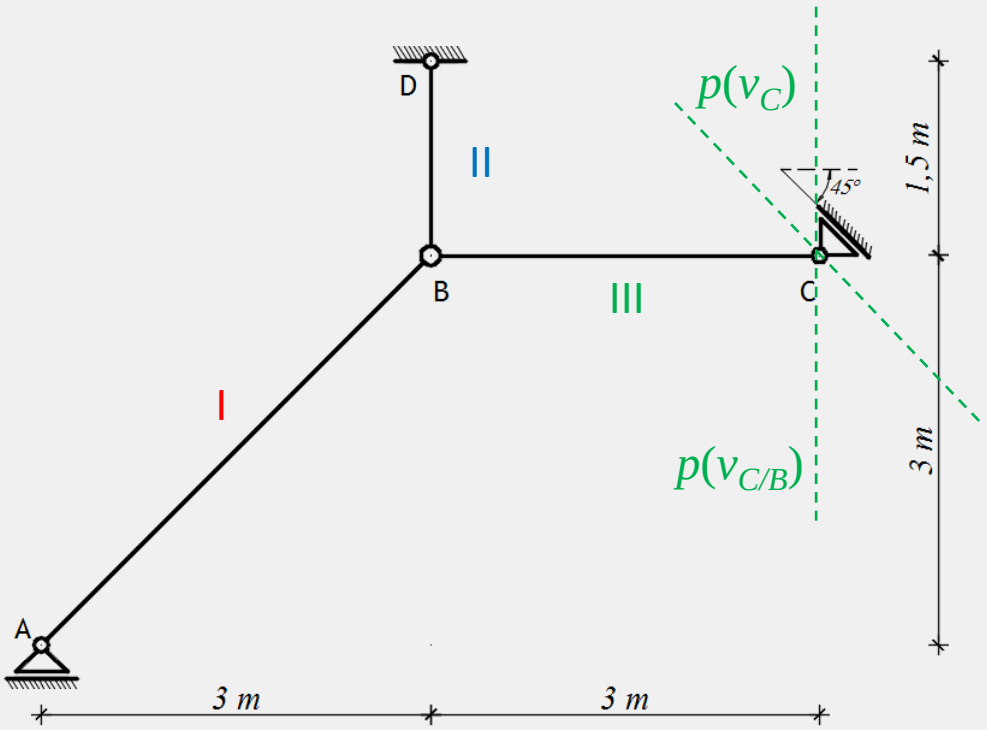
$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s



očitano: $v_{C/B} = 3\ cm = 3\ m/s$

BRZINE



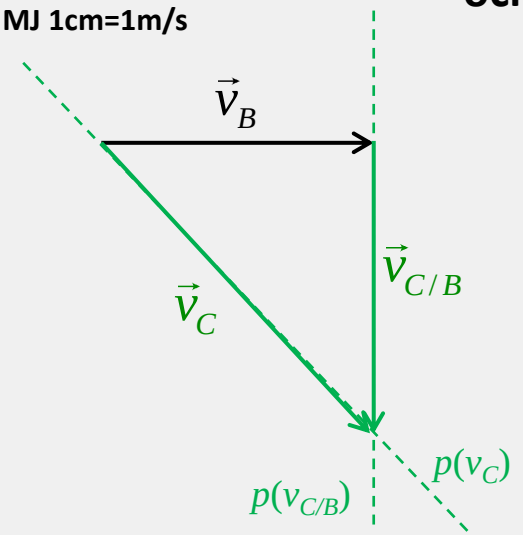
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

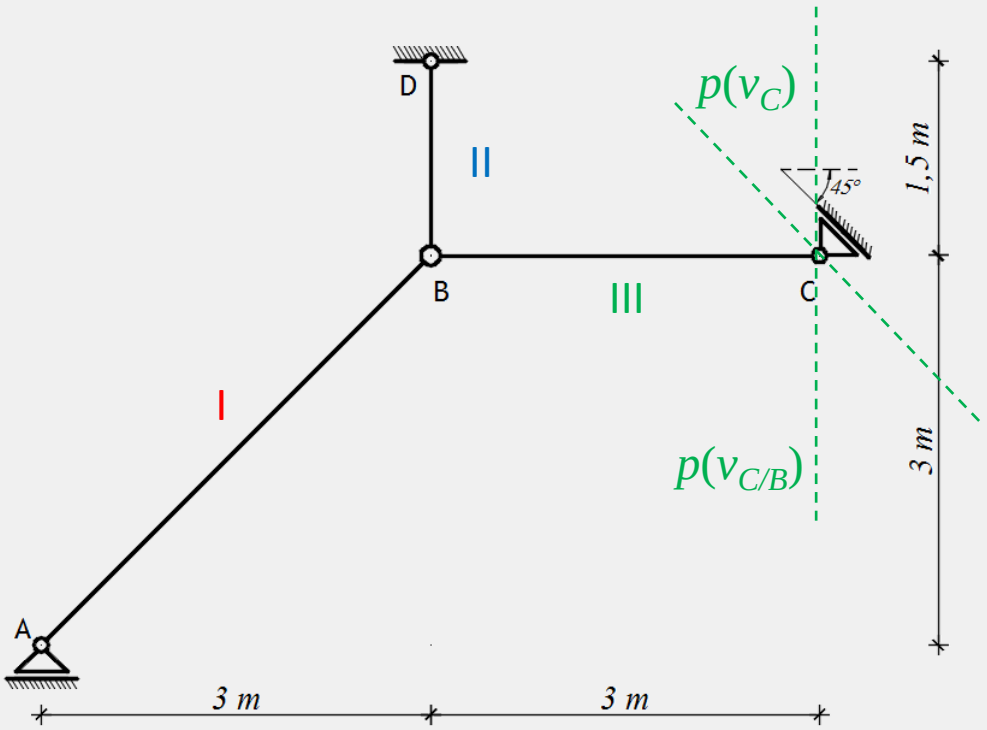
MJ 1cm=1m/s



očitano: $v_{C/B} = 3\ cm = 3\ m/s$

$$\omega_{III} = \frac{v_{C/B}}{\overline{CB}} = \frac{3}{3} = 1\ r/s$$

BRZINE



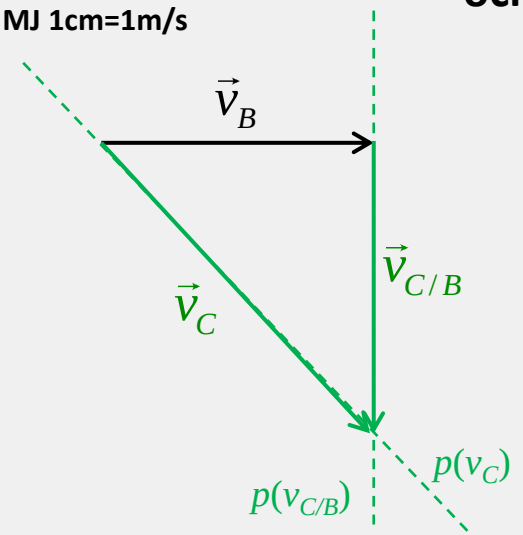
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s

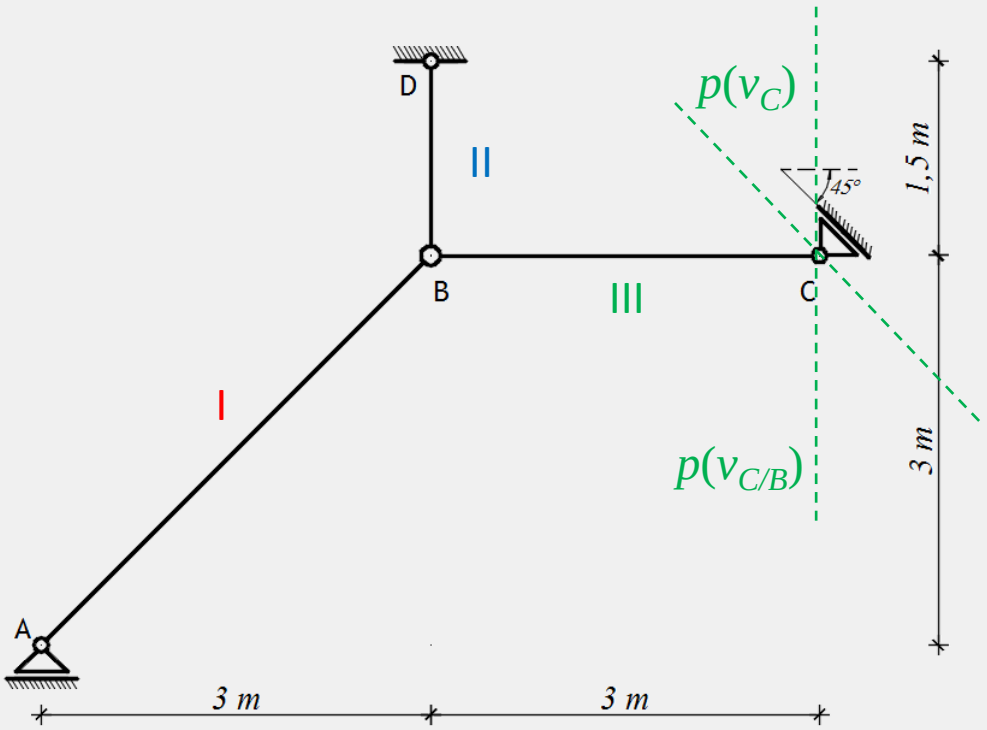


očitano: $v_{C/B} = 3\ cm = 3\ m/s$

$$\omega_{III} = \frac{v_{C/B}}{\overline{CB}} = \frac{3}{3} = 1\ r/s$$

$$\vec{\omega}_{III} = -\vec{k}$$

BRZINE



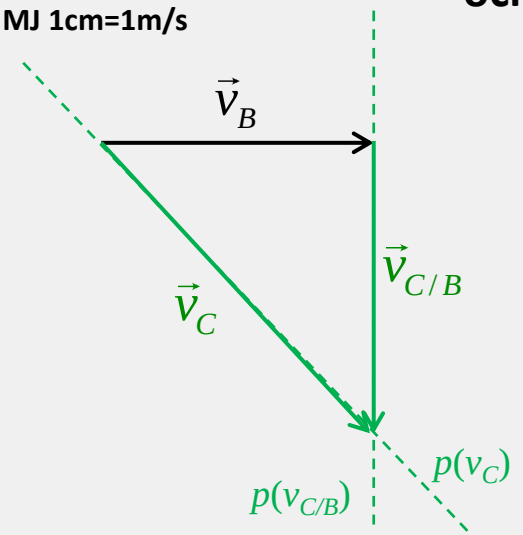
Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$

MJ 1cm=1m/s



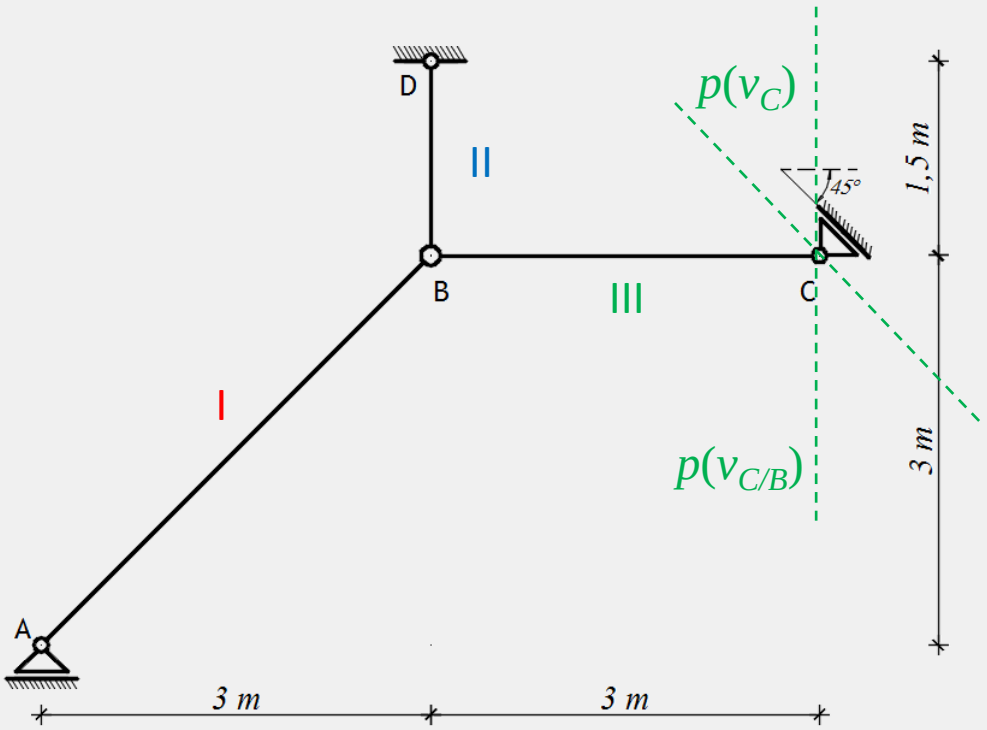
očitano: $v_{C/B} = 3\ cm = 3\ m/s$

$$\omega_{III} = \frac{v_{C/B}}{\overline{CB}} = \frac{3}{3} = 1\ r/s$$

$$\vec{\omega}_{III} = -\vec{k}$$

$$\vec{v}_C = 3\vec{i} - 3\vec{j}$$

BRZINE

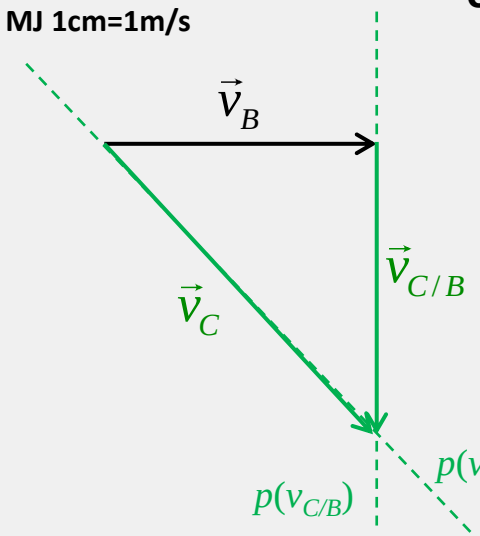


Uvjet spoja tijela

$$\vec{v}_B^{\,I} = \vec{v}_B^{\,II} = \vec{v}_B^{\,III} = 3\,\vec{i}$$

Gibanje tijela III

$$\vec{v}_C = \vec{v}_B + \vec{v}_{C/B} \qquad \vec{v}_{C/B} \perp \overline{BC}$$



očitano: $v_{C/B} = 3\ cm = 3\ m/s$

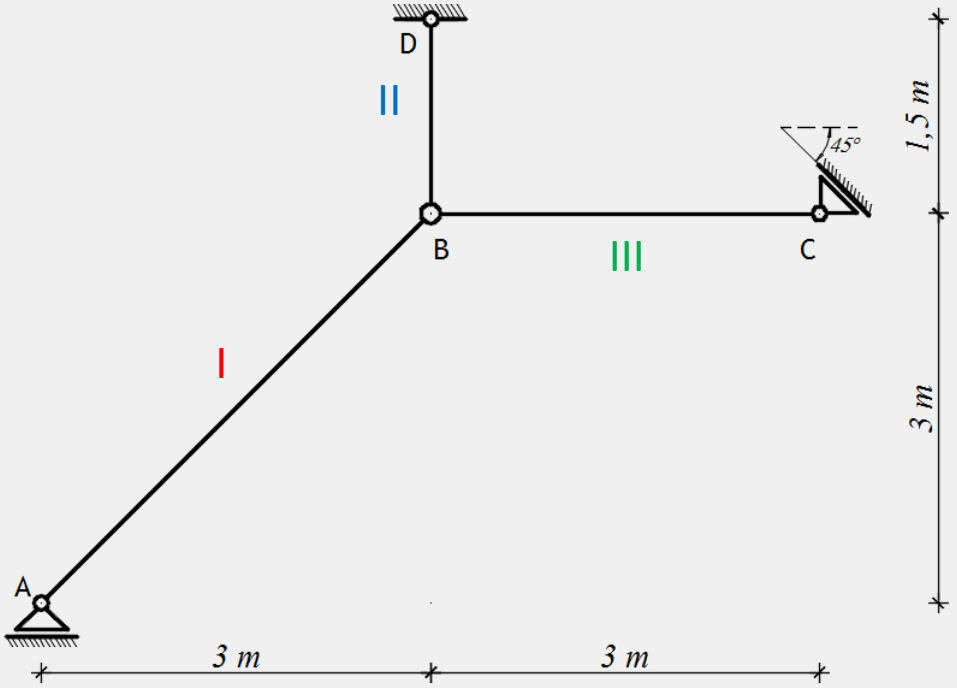
$$\omega_{III} = \frac{v_{C/B}}{\overline{CB}} = \frac{3}{3} = 1\ r/s$$

$$\vec{\omega}_{III} = -\vec{k}$$

$$\vec{v}_C = 3\vec{i} - 3\vec{j}$$

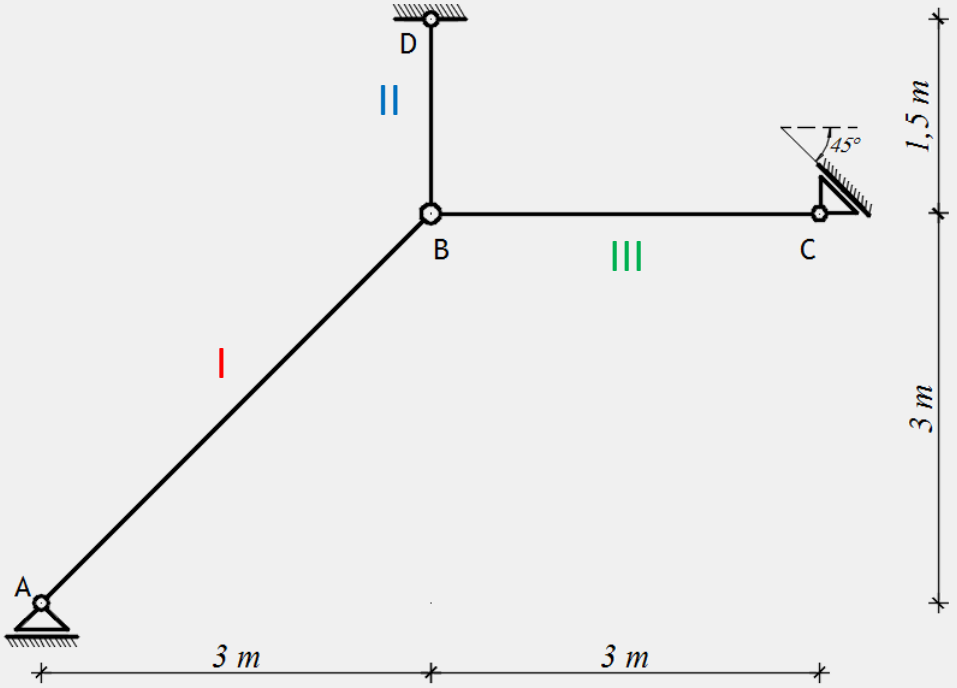
$$\vec{v}_C = 3\sqrt{2} = 4,242\ m/s$$

UBRZANJA

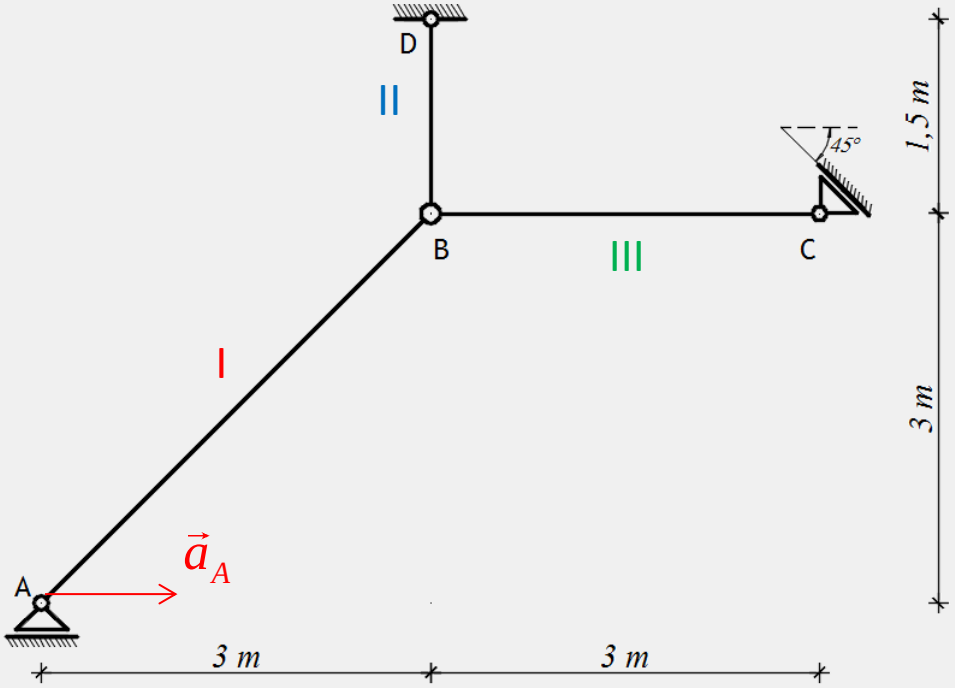


UBRZANJA

Uvjeti spojeva s podlogom



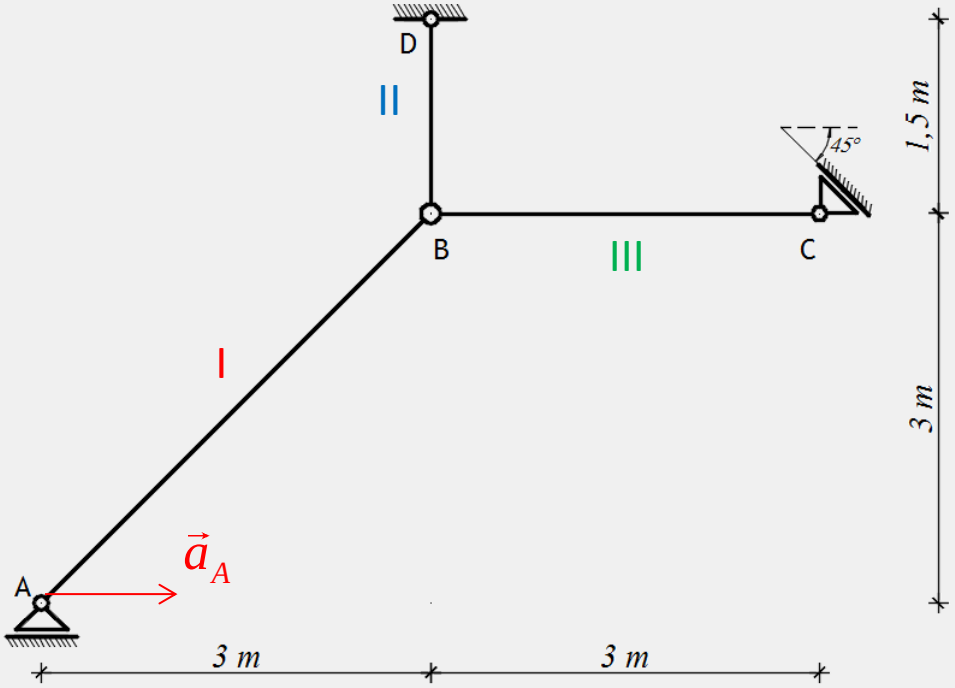
UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

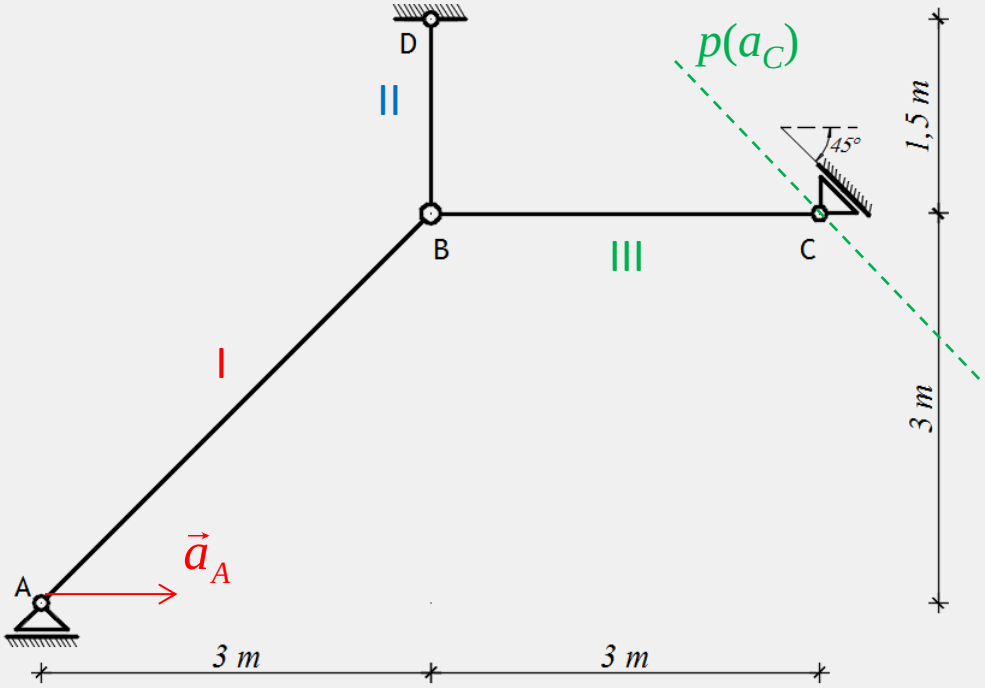
$$\vec{a}_D = \vec{0}$$

UBRZANJA

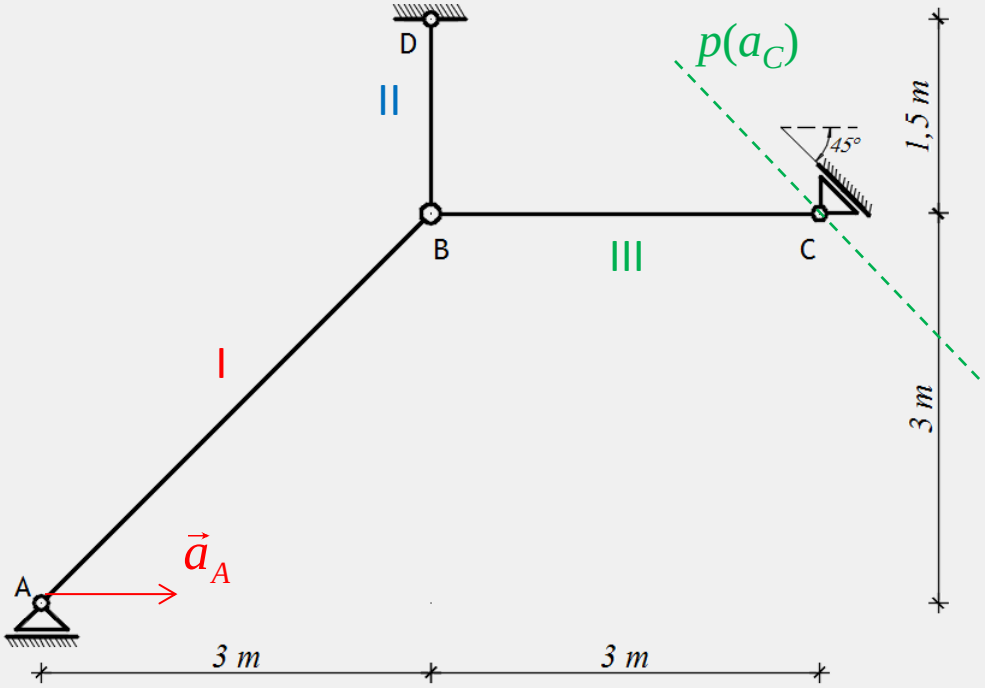
Uvjeti spojeva s podlogom

$\vec{a}_A = 2\vec{i}$

$\vec{a}_D = \vec{0}$



UBRZANJA



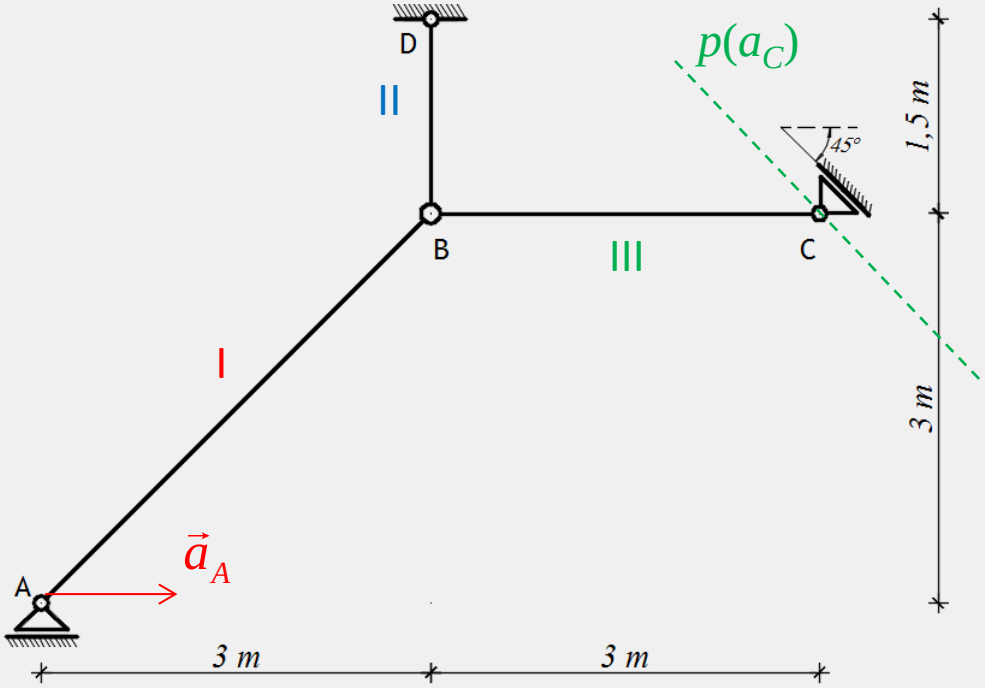
Uvjeti spojeva s podlogom

$\vec{a}_A = 2\vec{i}$

$\vec{a}_D = \vec{0}$

Uvjet spoja tijela $\vec{a}_B^{\,I} = \vec{a}_B^{\,II} = \vec{a}_B^{\,III}$

UBRZANJA



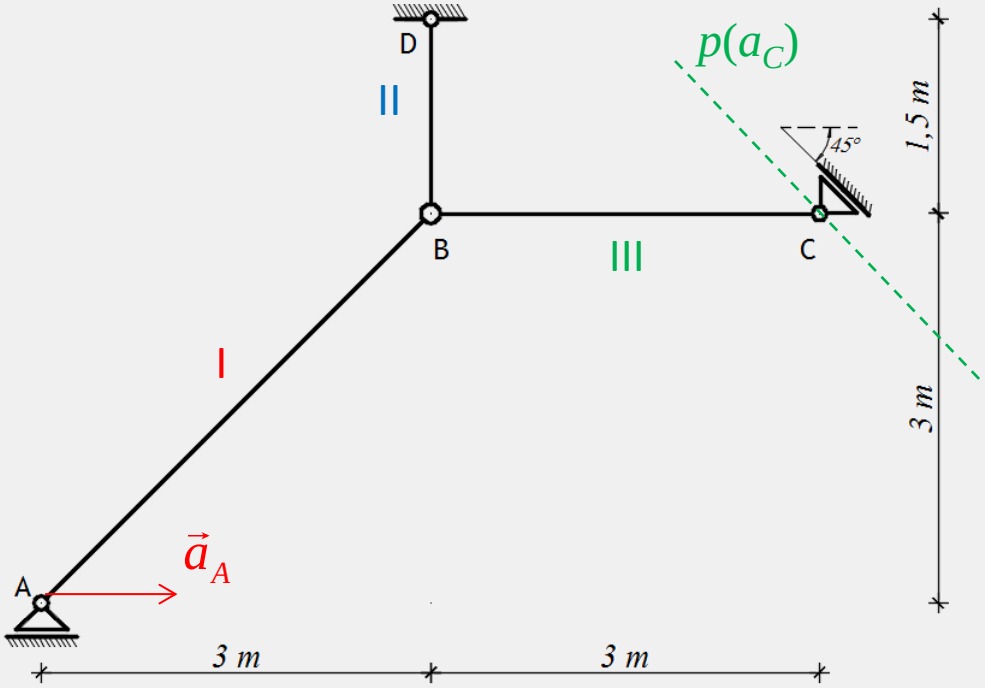
Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\vec{a}_B^{\,I} = \vec{a}_B^{\,II} = \vec{a}_B^{\,III} = \vec{a}_B$

UBRZANJA



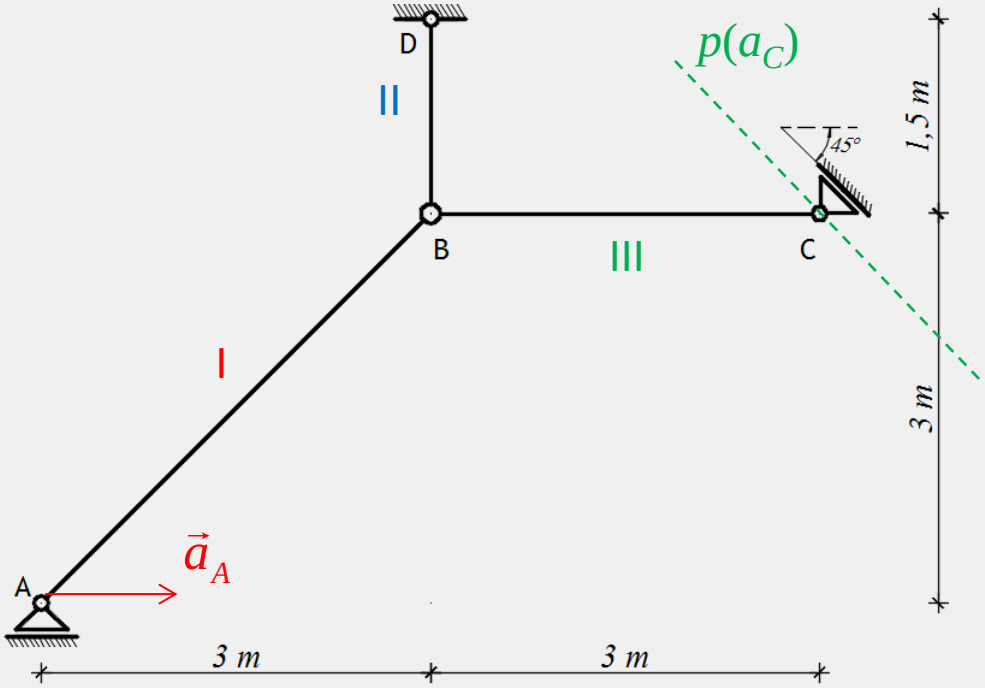
Uvjeti spojeva s podlogom

$\vec{a}_A = 2\vec{i}$

$\vec{a}_D = \vec{0}$

Uvjet spoja tijela $\boxed{\vec{a}_B^{\,I} = \vec{a}_B^{\,II}} = \vec{a}_B^{\,III} = \vec{a}_B$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

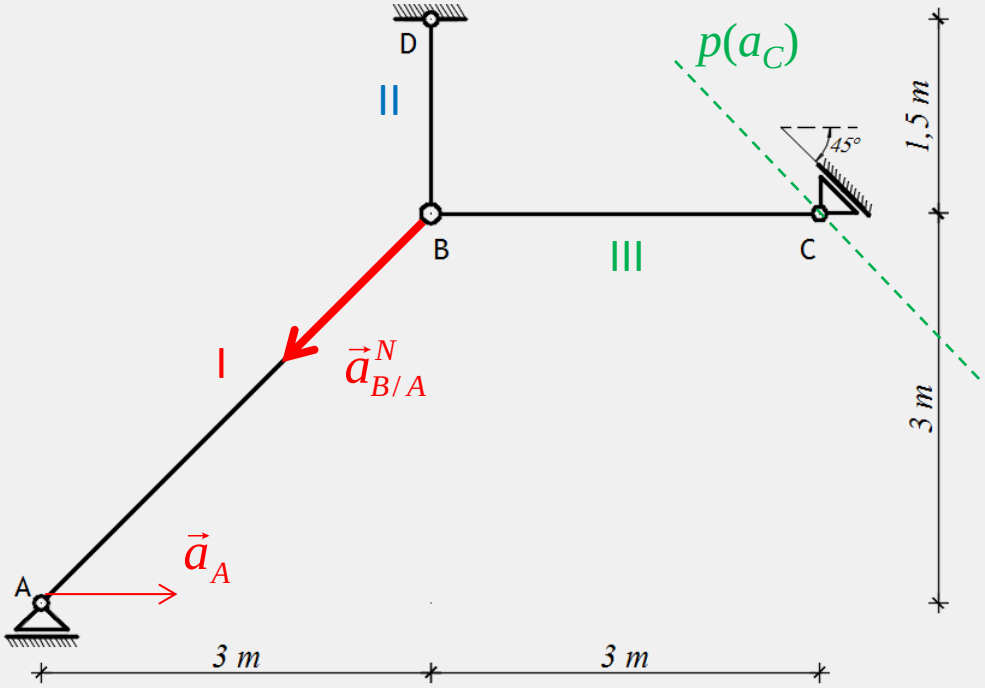
$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}_B^{\,I} = \vec{a}_B^{\,II}} = \vec{a}_B^{\,III} = \vec{a}_B$

Gibanje tijela I

$$\vec{a}_B^{\,I} = \vec{a}_A + \vec{a}_{B/A}^{\,N} + \vec{a}_{B/A}^{\,T}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

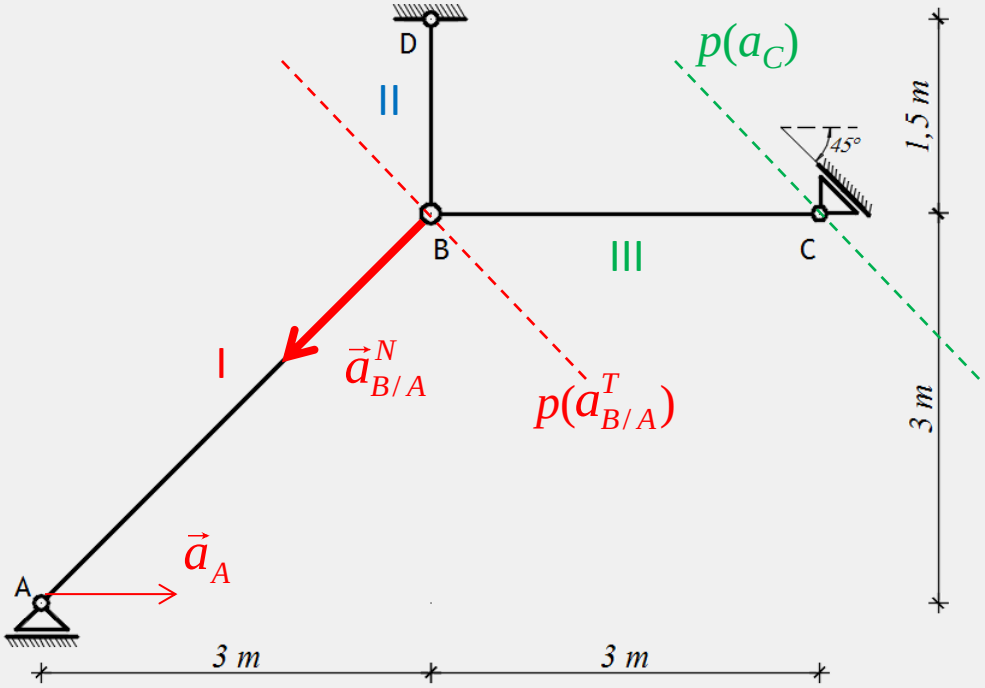
Uvjet spoja tijela

$$\boxed{\vec{a}_B^{\,I} = \vec{a}_B^{\,II}} = \vec{a}_B^{\,III} = \vec{a}_B$$

Gibanje tijela I

$$\vec{a}_B^{\,I} = \vec{a}_A + \vec{a}_{B/A}^{N} + \vec{a}_{B/A}^{T}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

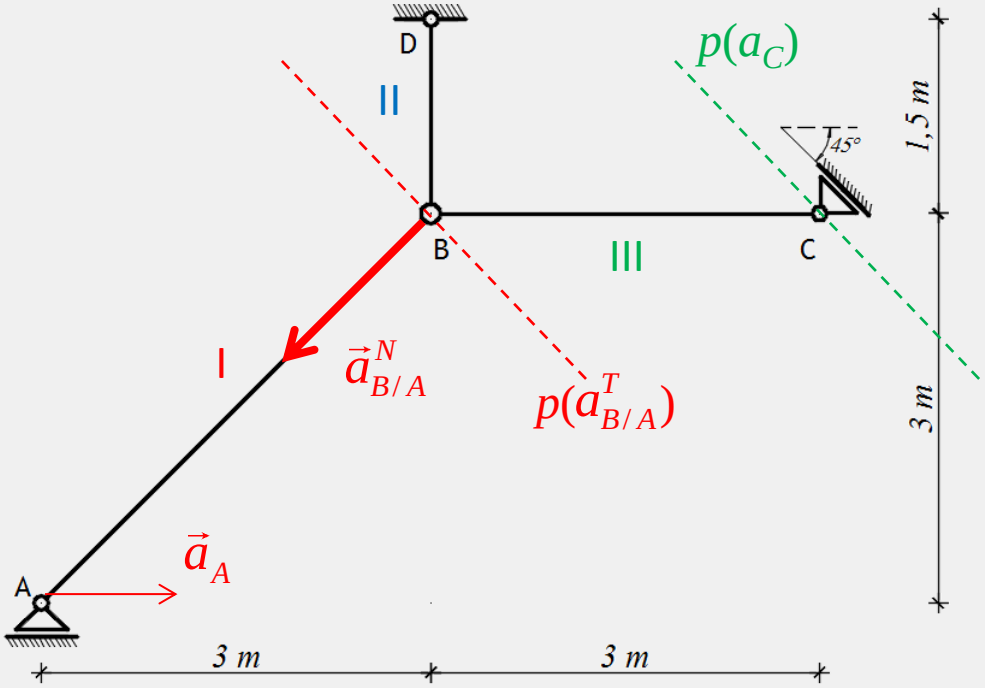
Uvjet spoja tijela

$$\vec{a}^I_B = \vec{a}^{II}_B = \vec{a}^{III}_B = \vec{a}_B$$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \vec{a}^N_{B/A} + \vec{a}^T_{B/A}$$

UBRZANJA



$$a_{B/A}^{N} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

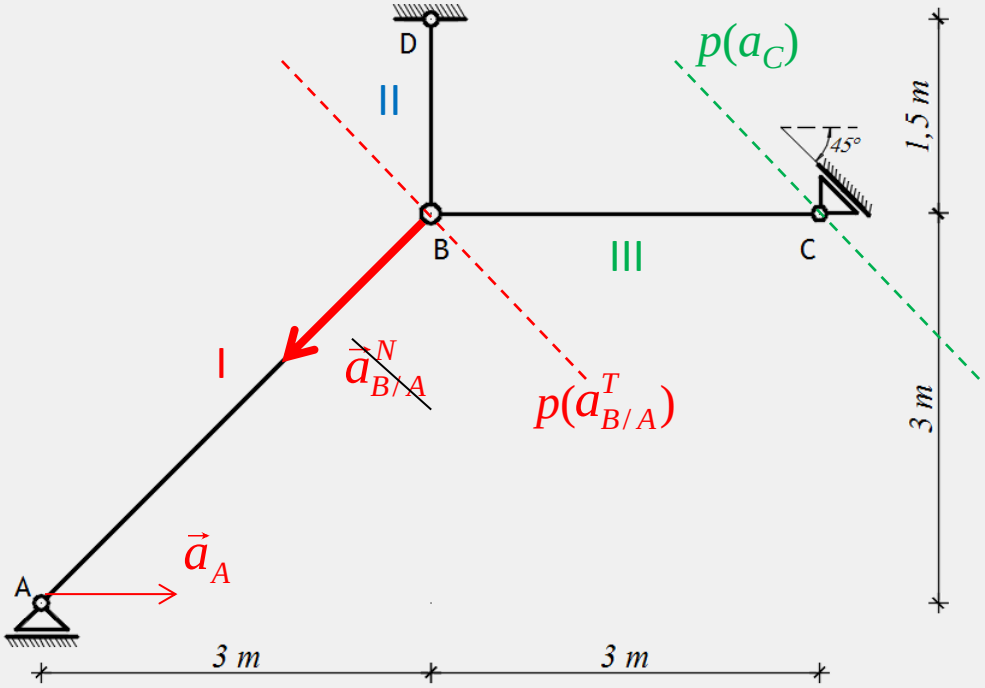
$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}_B^{\,I} = \vec{a}_B^{\,II}} = \vec{a}_B^{\,III} = \vec{a}_B$

Gibanje tijela I

$$\vec{a}_B^{\,I} = \vec{a}_A + \vec{a}_{B/A}^{\,N} + \vec{a}_{B/A}^{\,T}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela

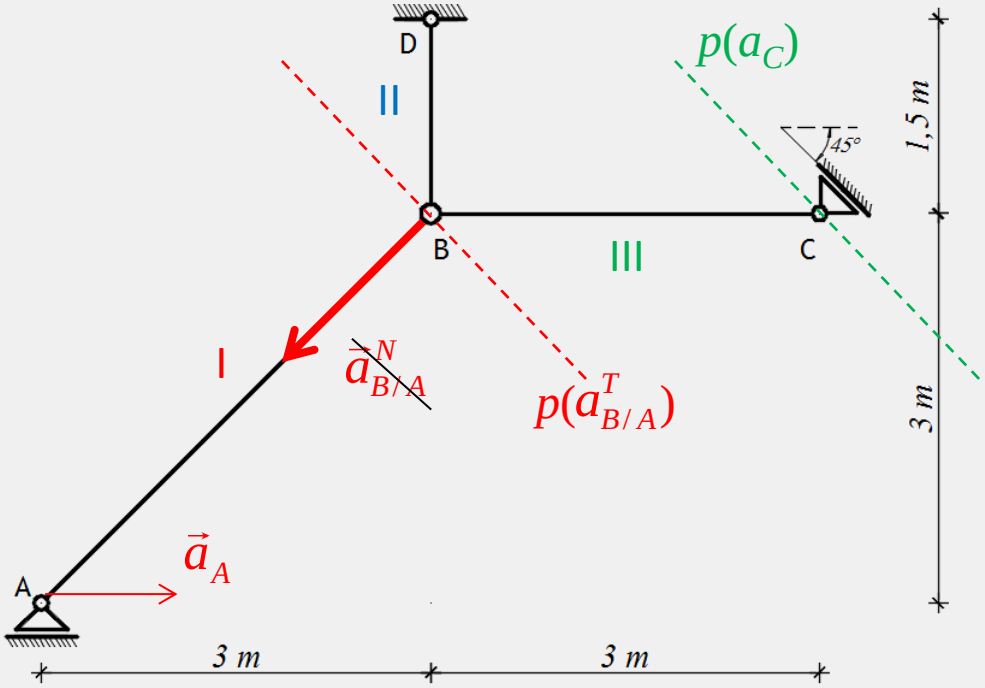
$$\boxed{\vec{a}_B^{\,I} = \vec{a}_B^{\,II}} = \vec{a}_B^{\,III} = \vec{a}_B$$

Gibanje tijela I

$$\vec{a}_B^{\,I} = \vec{a}_A + \vec{a}_{B/A}^{\,N} + \vec{a}_{B/A}^{\,T}$$

$$a_{B/A}^{N} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

UBRZANJA



$p(a_C)$

$\vec{a}_A$

$\vec{a}_{B/A}^{\,N}$

$p(a_{B/A}^{T})$

$\vec{a}_A = 2\vec{i}$

$\vec{a}_D = \vec{0}$

Uvjeti spojeva s podlogom

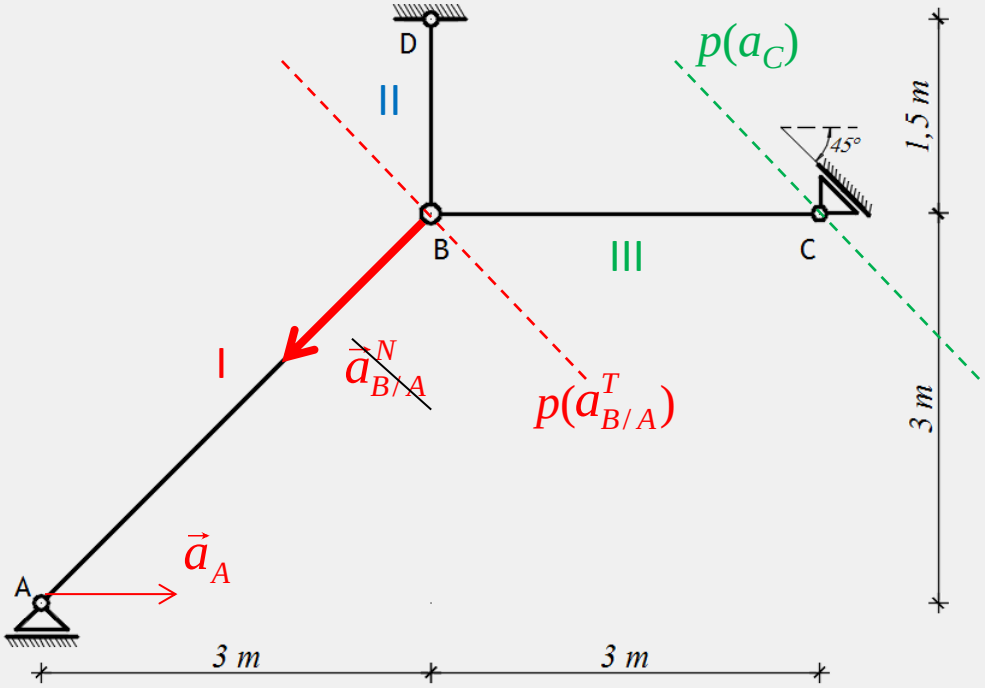
Uvjet spoja tijela $\vec{a}_B^{\,I} = \vec{a}_B^{\,II} = \vec{a}_B^{\,III} = \vec{a}_B$

Gibanje tijela I

$$\vec{a}_B^{\,I} = \vec{a}_A + \vec{a}_{B/A}^{\,N} + \vec{a}_{B/A}^{\,T} = \vec{a}_A + \vec{a}_{B/A}^{\,T}$$

$$a_{B/A}^{N} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

UBRZANJA



$$a_{B/A}^N = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}_B^{\,I} = \vec{a}_B^{\,II}} = \vec{a}_B^{\,III} = \vec{a}_B$

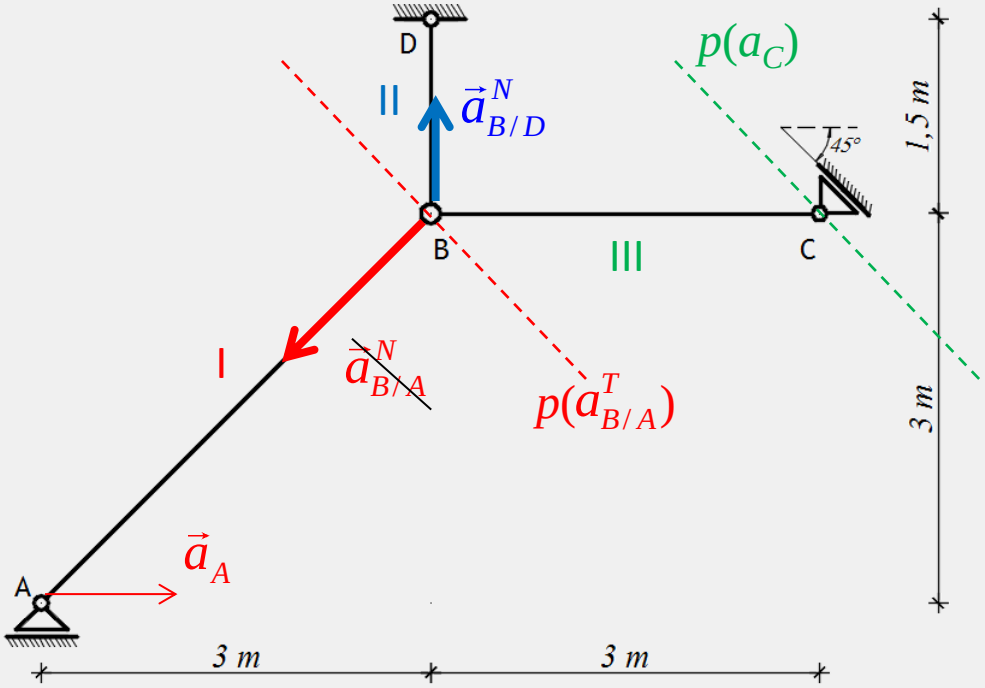
Gibanje tijela I

$$\vec{a}_B^{\,I} = \vec{a}_A + \cancel{\vec{a}_{B/A}^{\,N}} + \vec{a}_{B/A}^{\,T} = \vec{a}_A + \vec{a}_{B/A}^{\,T}$$

Gibanje tijela II

$$\vec{a}_B^{\,II} = \vec{a}_D + \vec{a}_{B/D}^{\,N} + \vec{a}_{B/D}^{\,T}$$

UBRZANJA



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

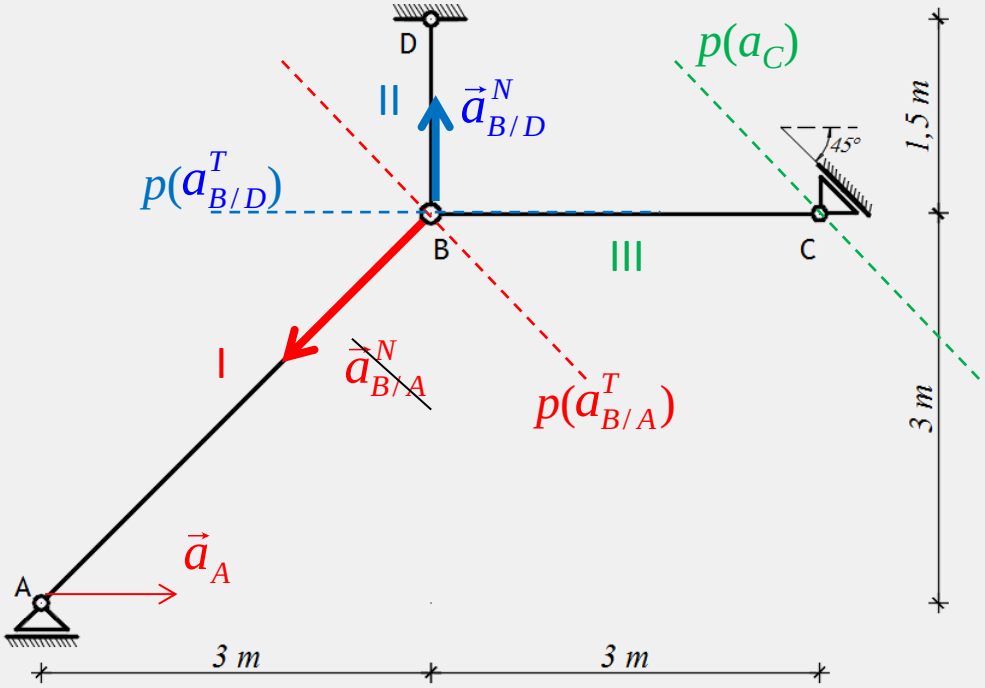
Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \vec{a}_D + \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

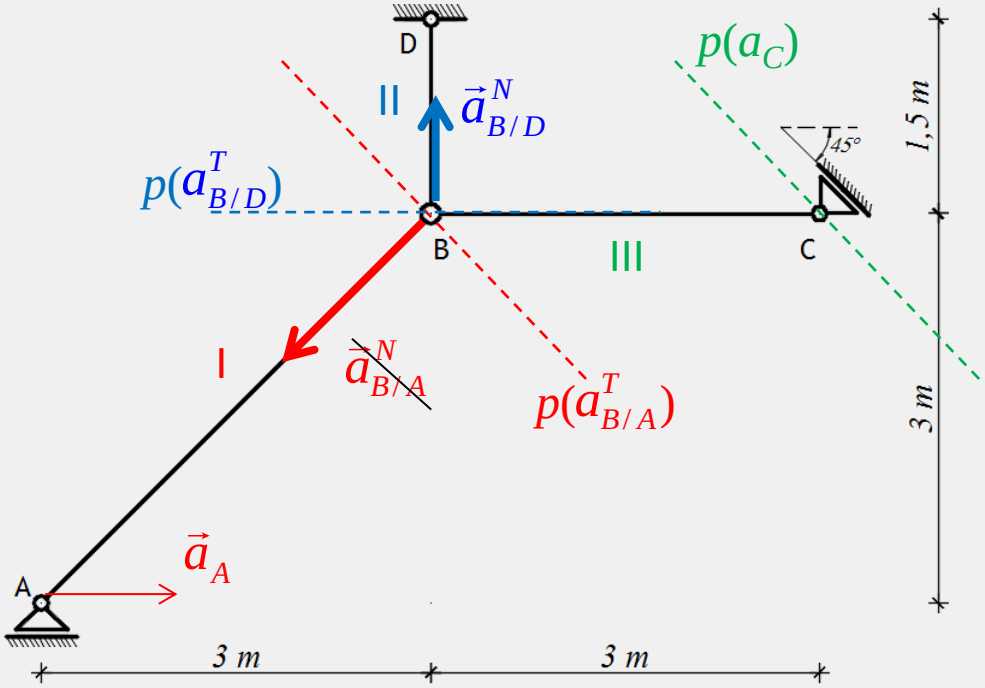
Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \vec{a}_D + \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

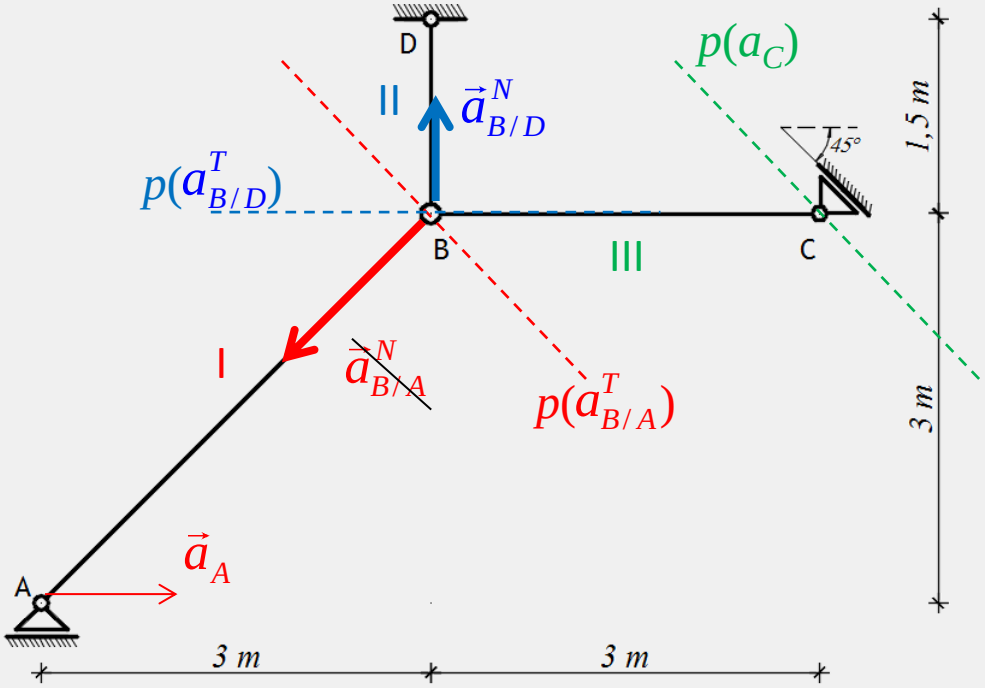
Gibanje tijela II

$$\vec{a}^{II}_B = \vec{a}_D + \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

$$a^N_{B/A} = \omega^2_I \, \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \, \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

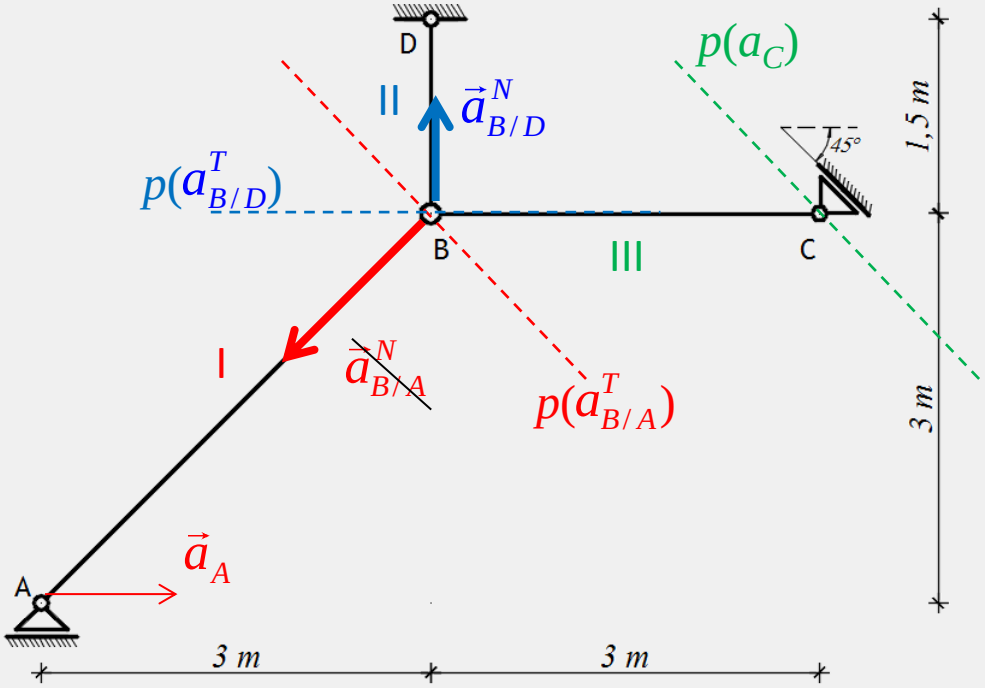
$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

$$a^N_{B/A} = \omega^2_I \, \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \, \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\,\vec{j}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

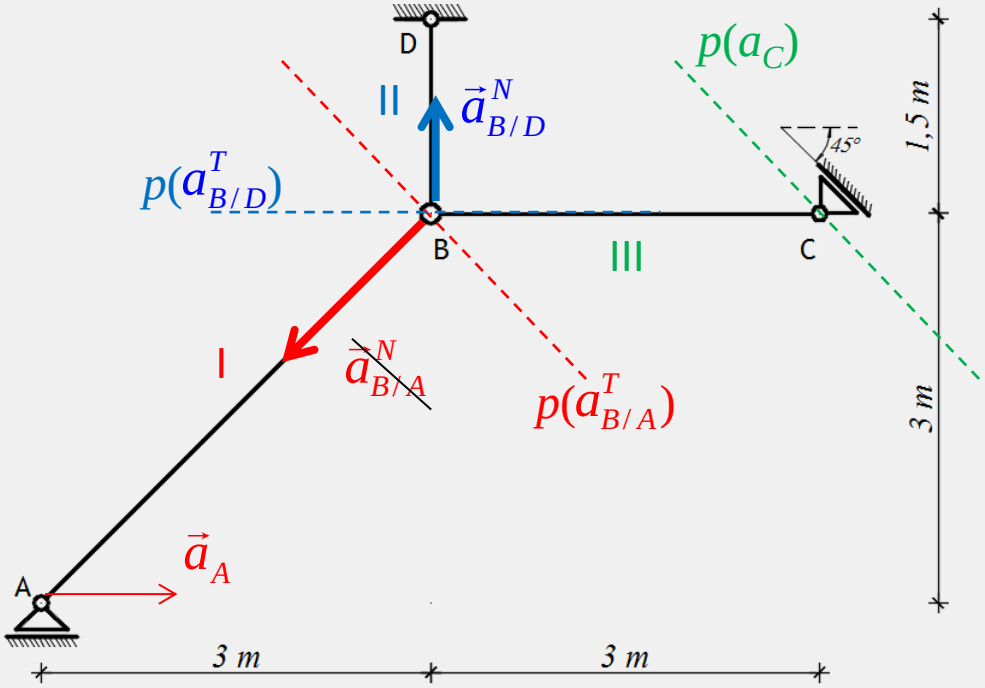
$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

$$a^N_{B/A} = \omega^2_I \, \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \, \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\,\vec{j}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

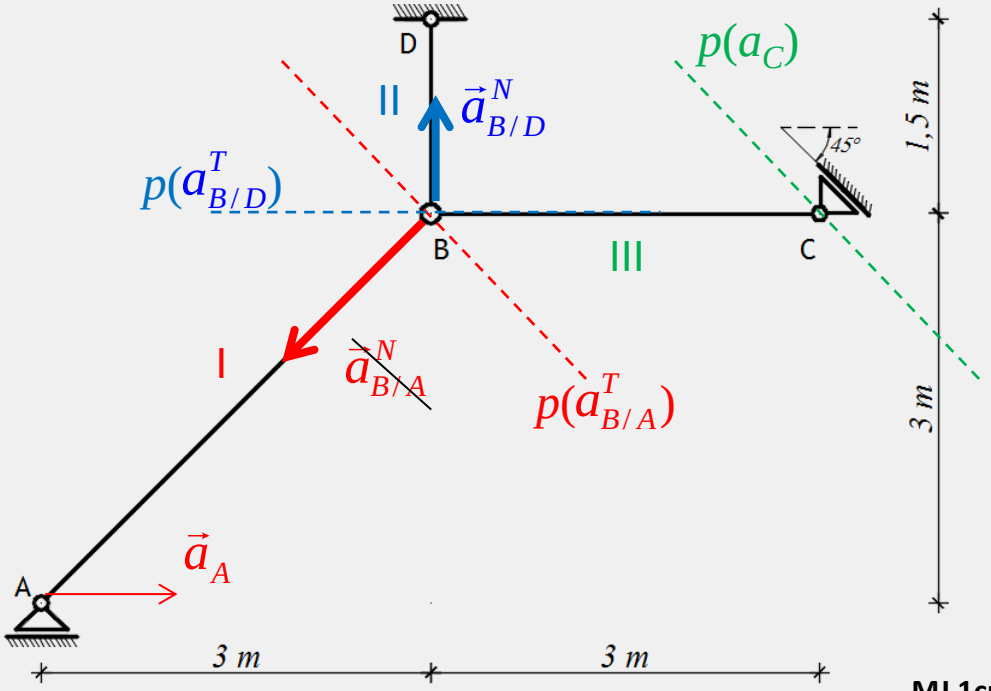
$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²

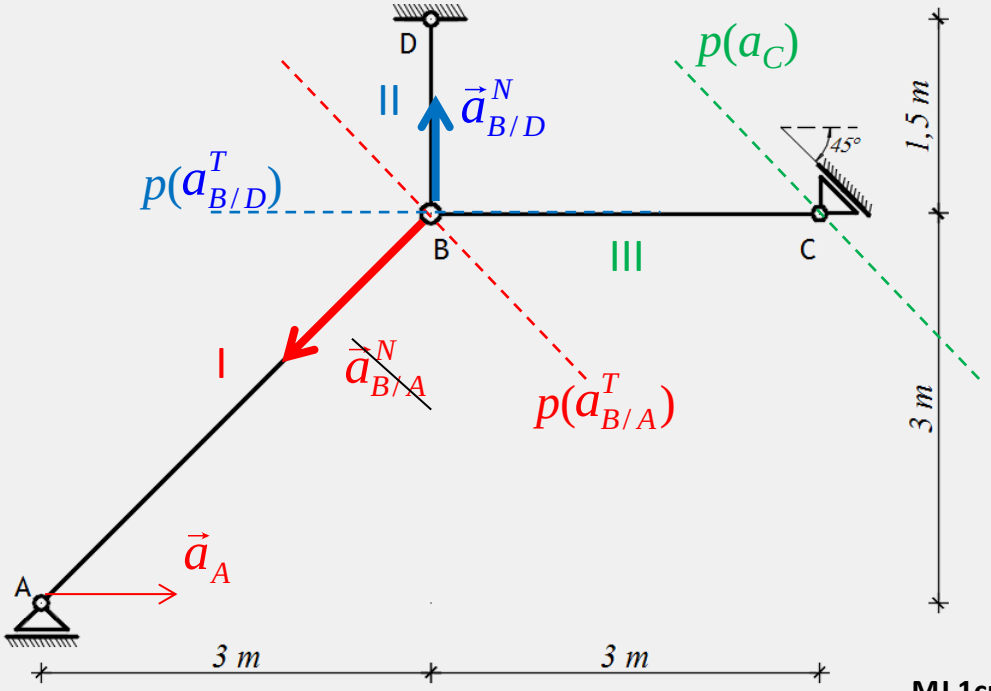
$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²

$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

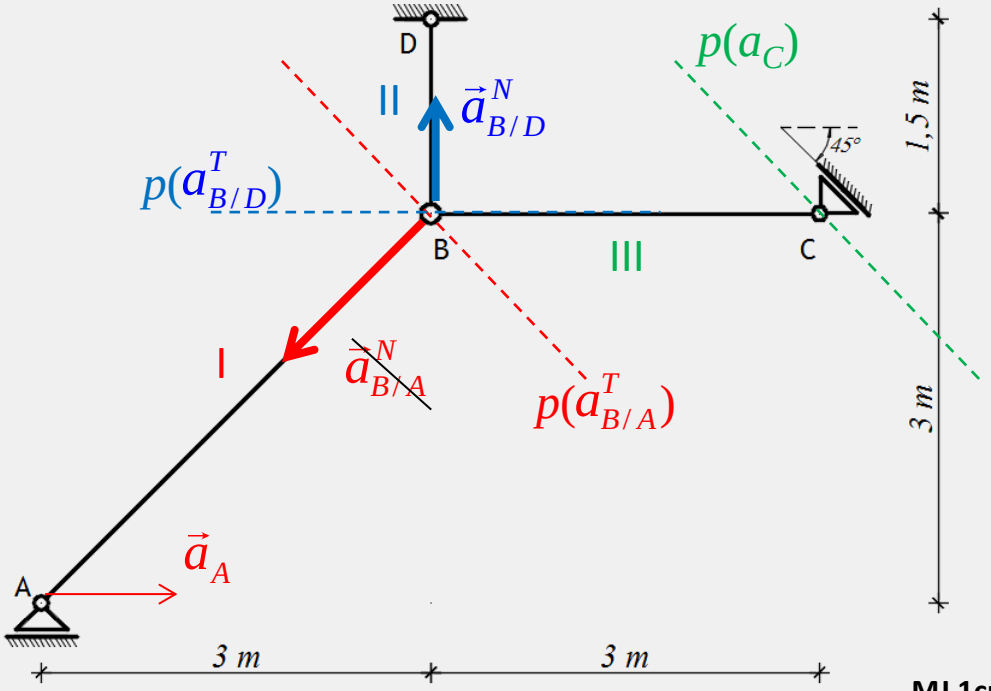
$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

$\vec{a}_A$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²

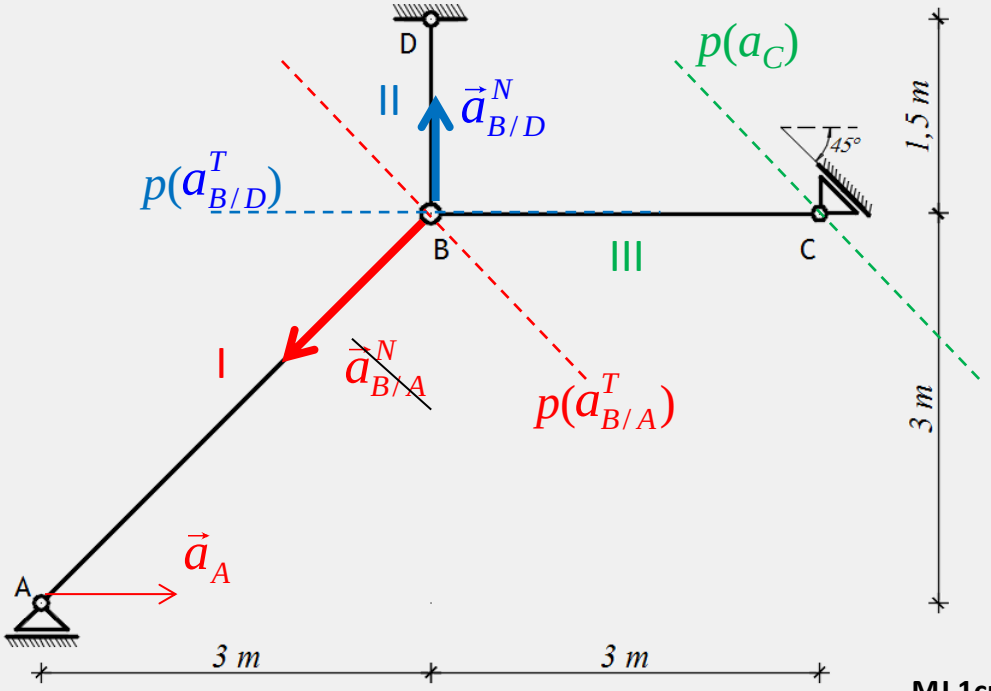
$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

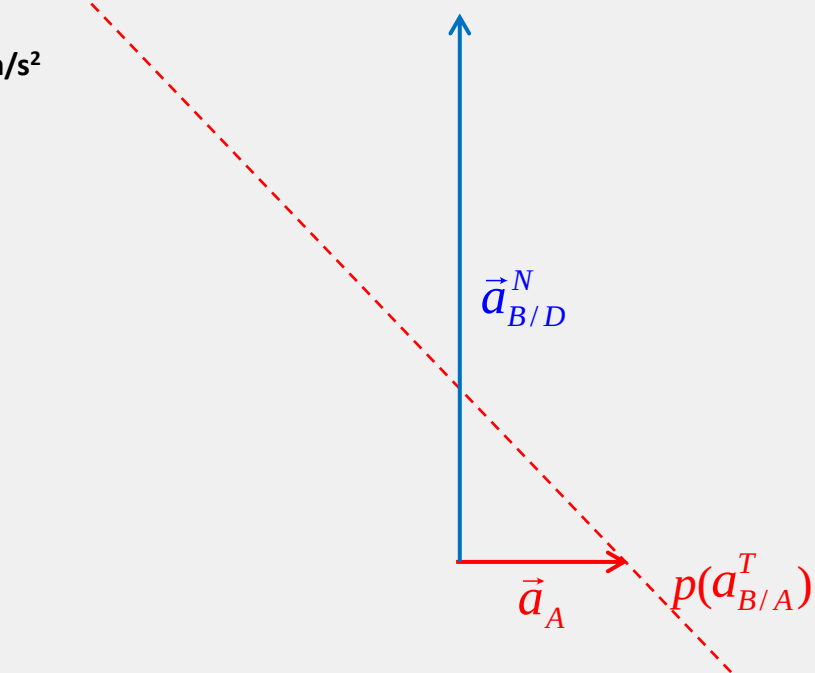
MJ 1cm=1m/s²

$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

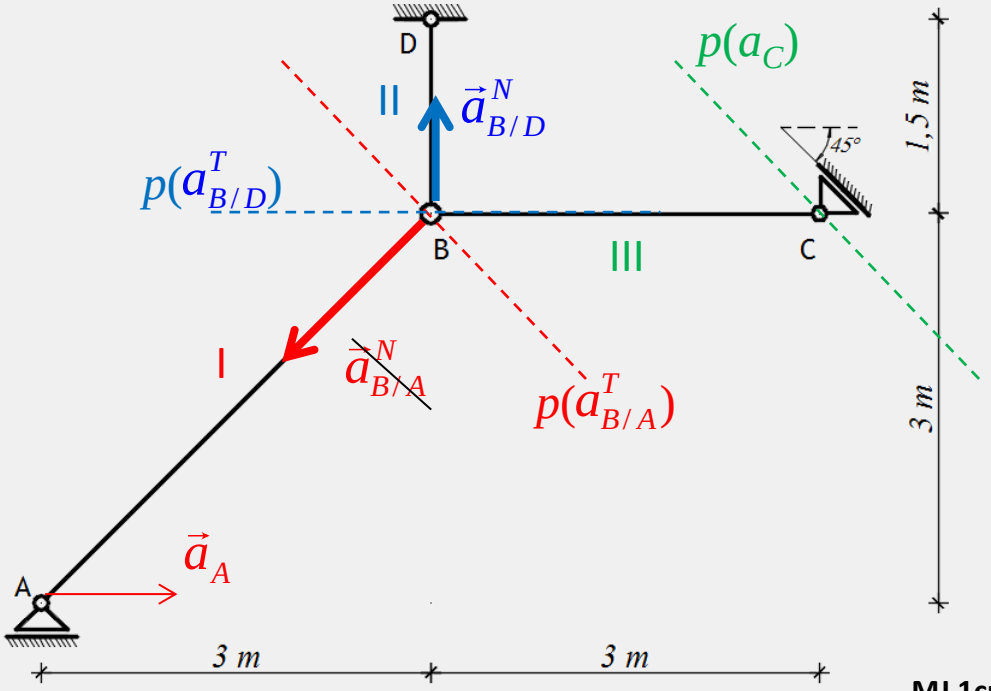
$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

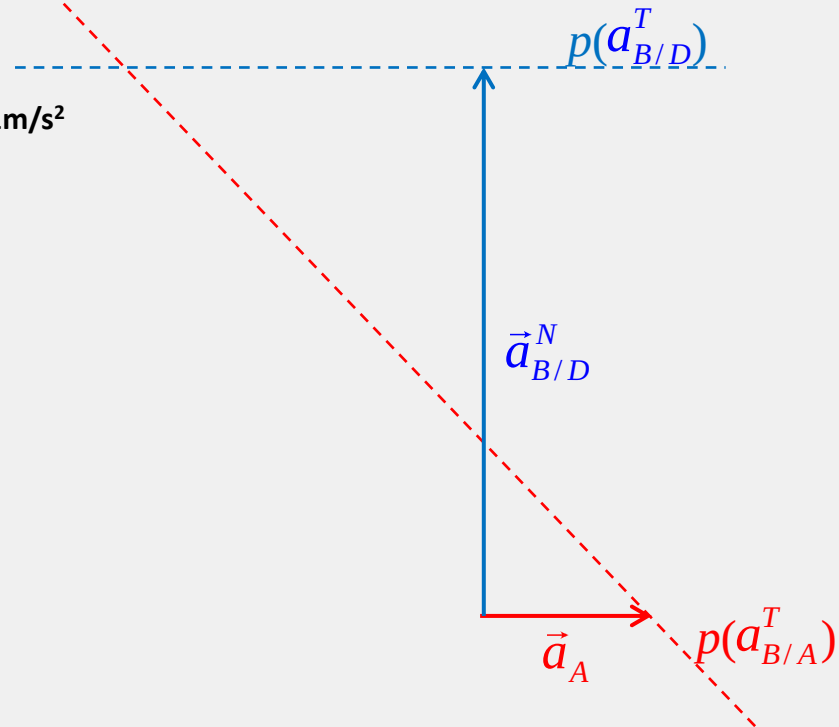
Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²



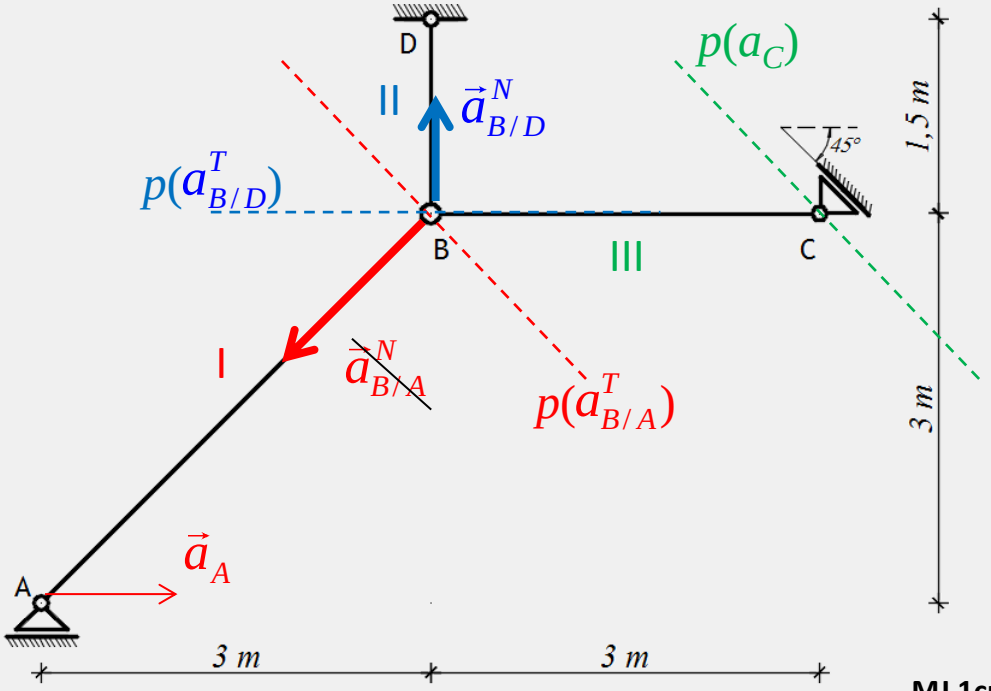
$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\,\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

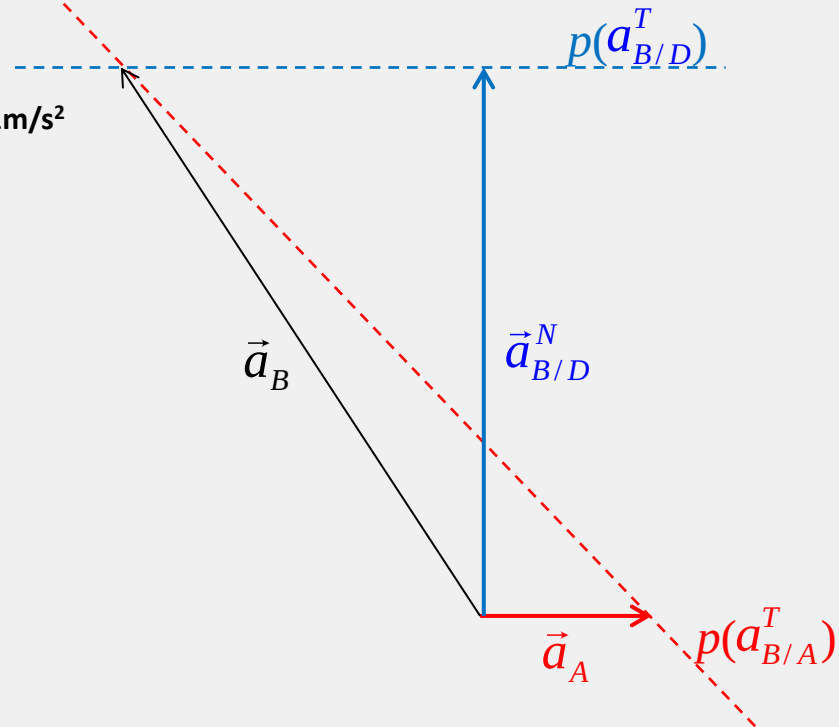
Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

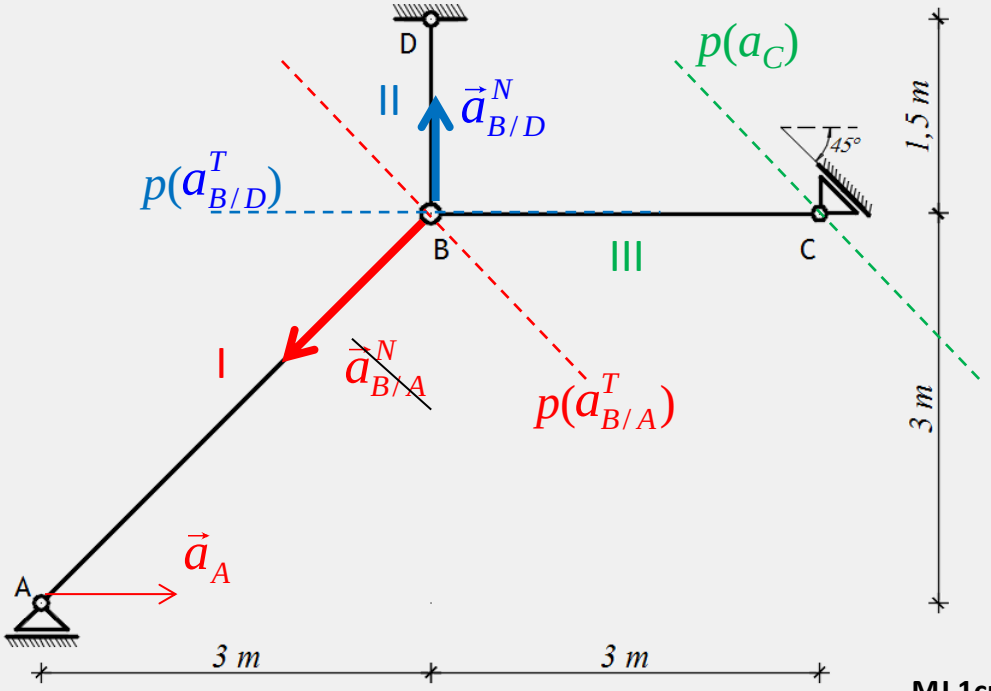
Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²



UBRZANJA



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\,\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

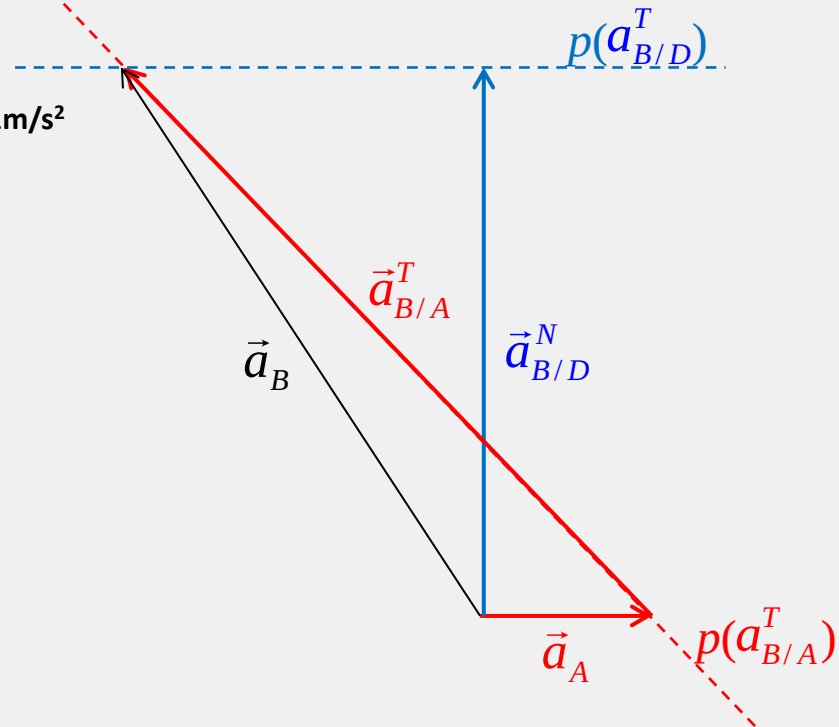
Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

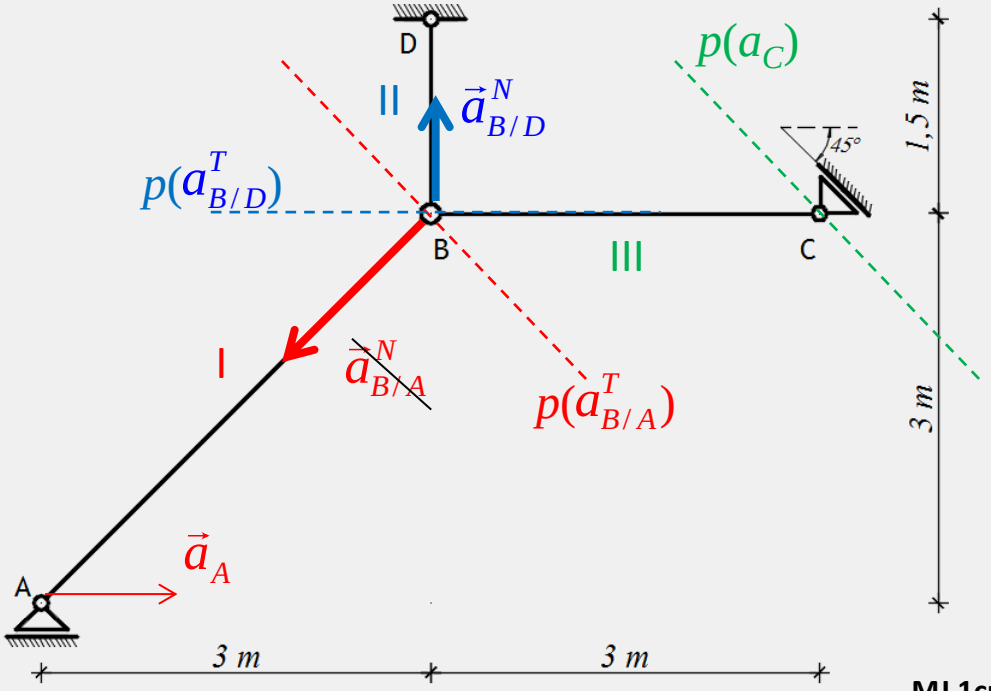
Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²



UBRZANJA



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\,\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

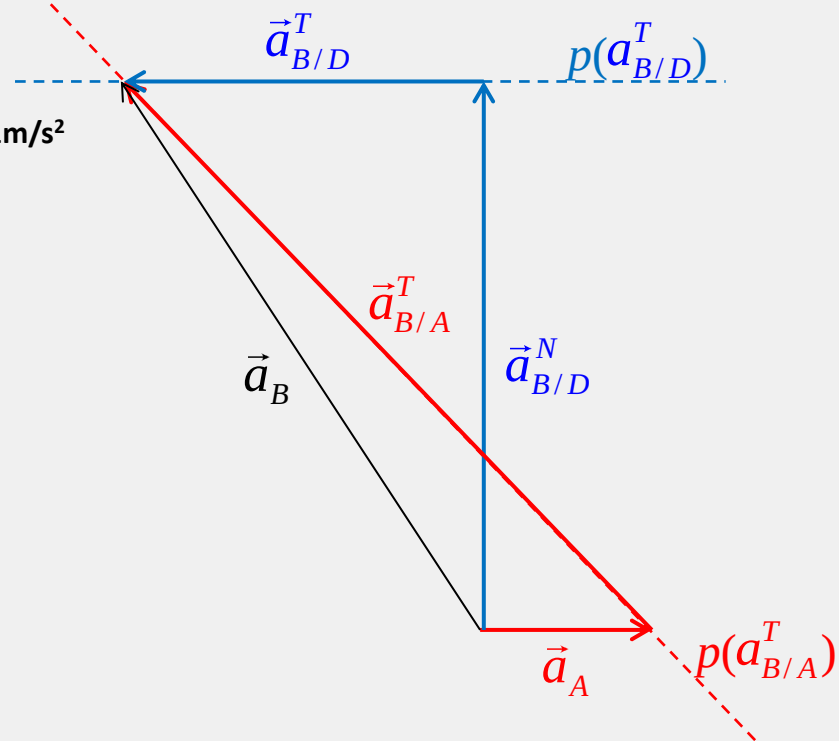
Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

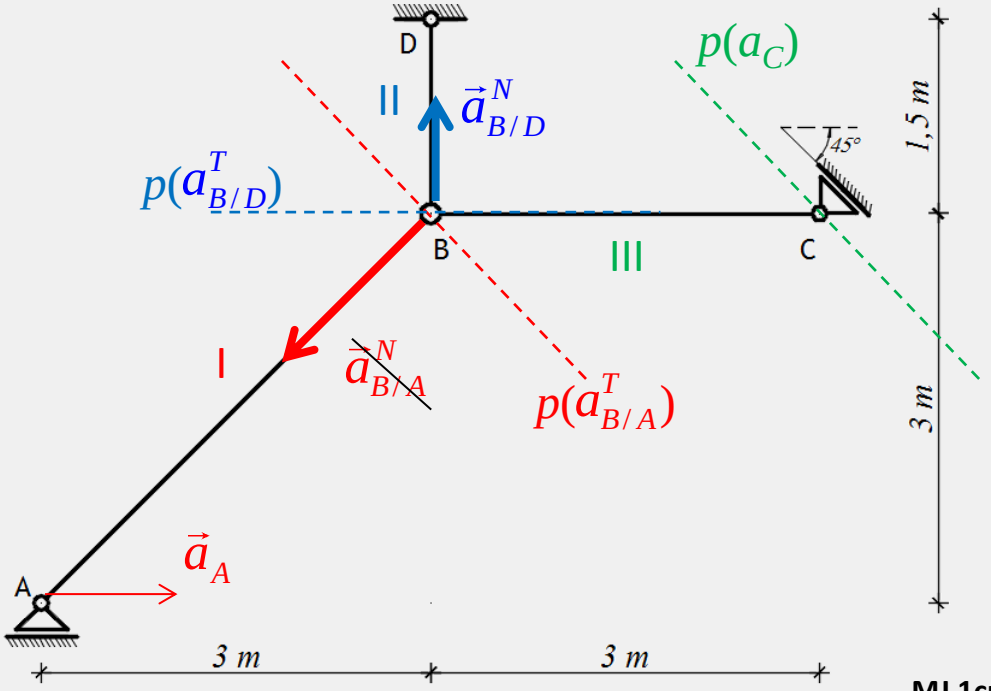
Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

MJ 1cm=1m/s²



UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

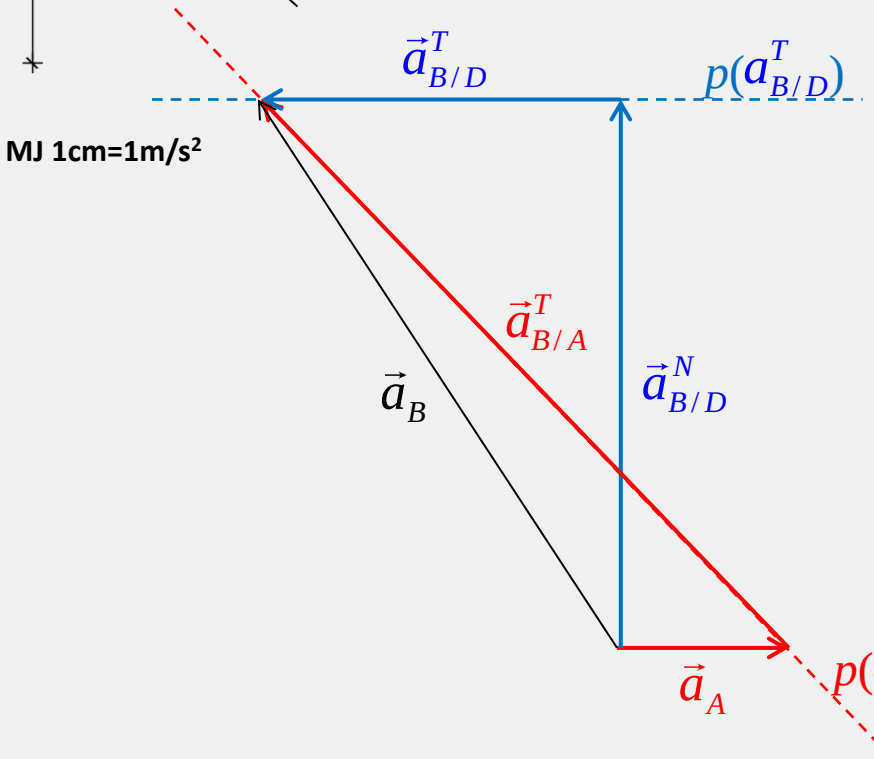
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \vec{a}^N_{B/A} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \vec{a}_D + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



očitano:

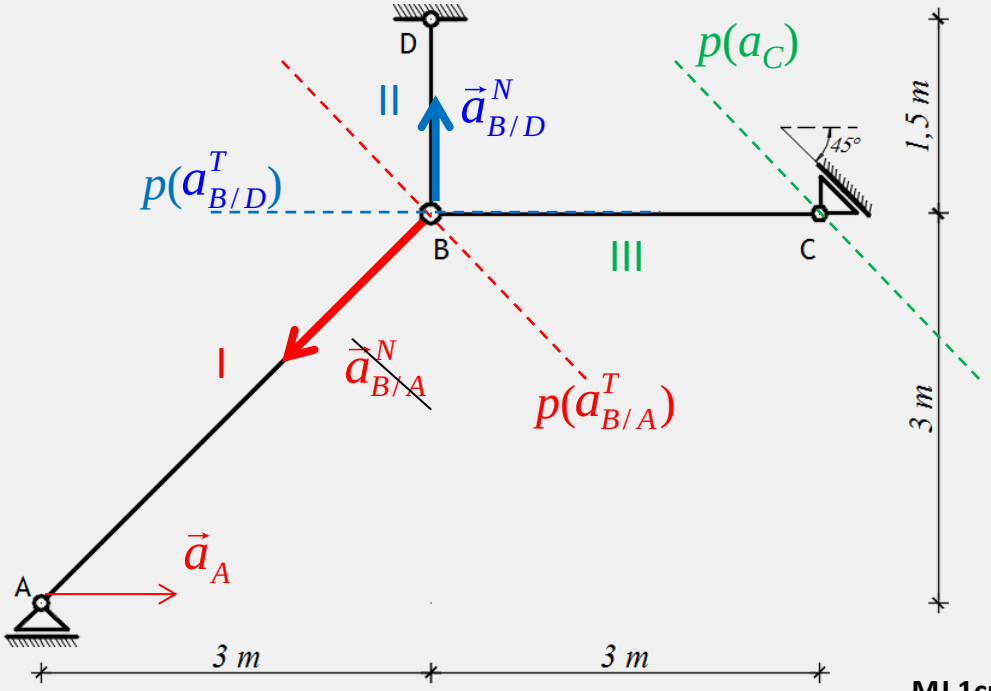
$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

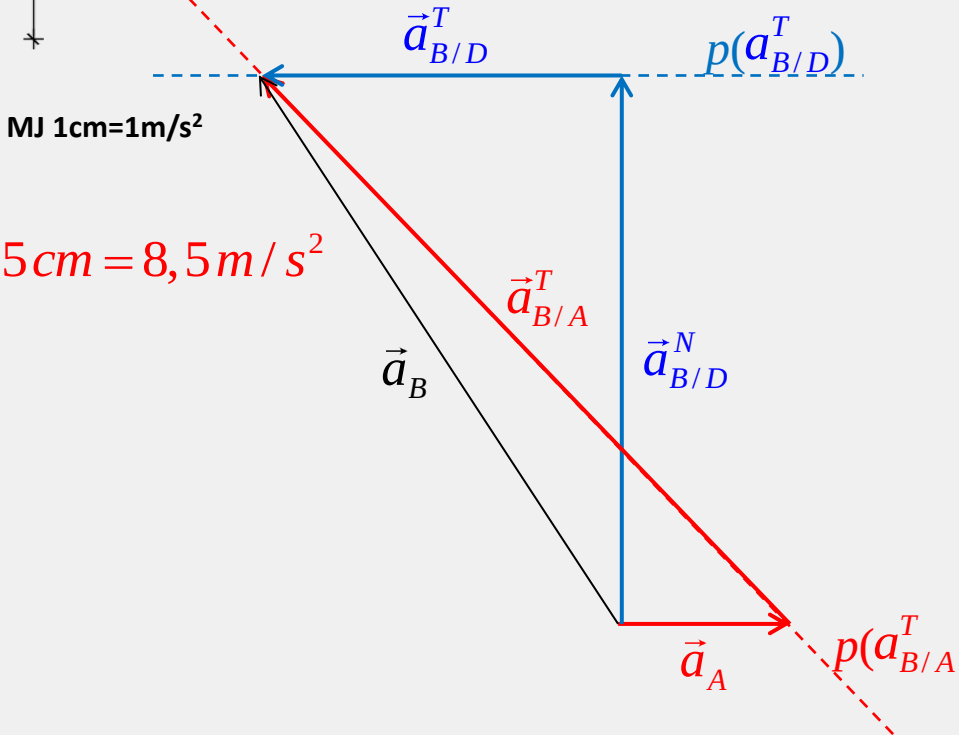
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

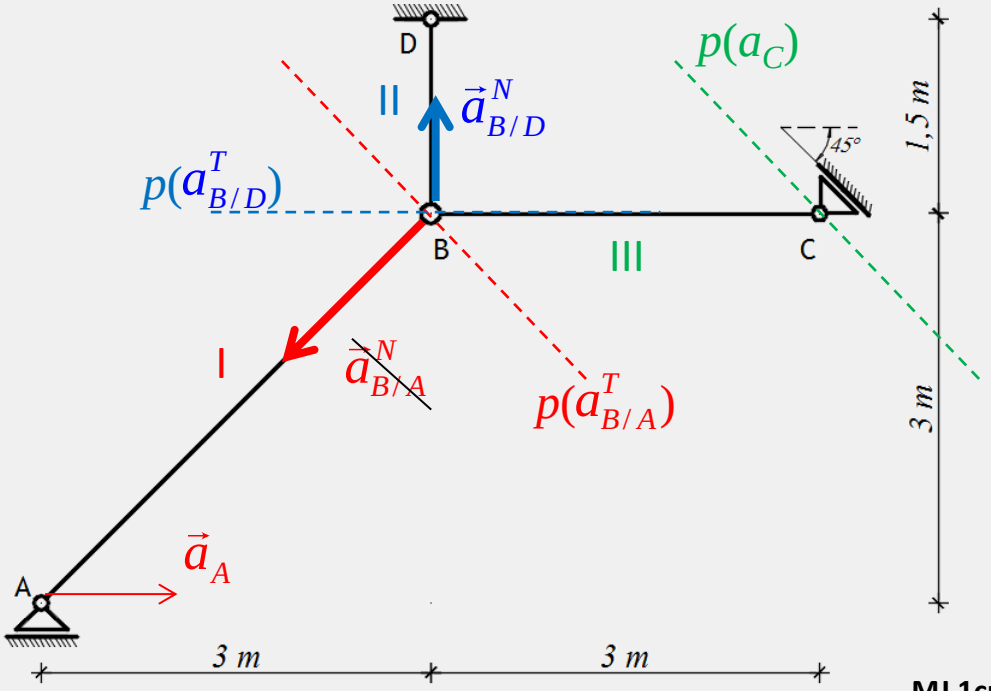
$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

očitano:

$$a^T_{B/A} = 8{,}5\,cm = 8{,}5\,m/s^2$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

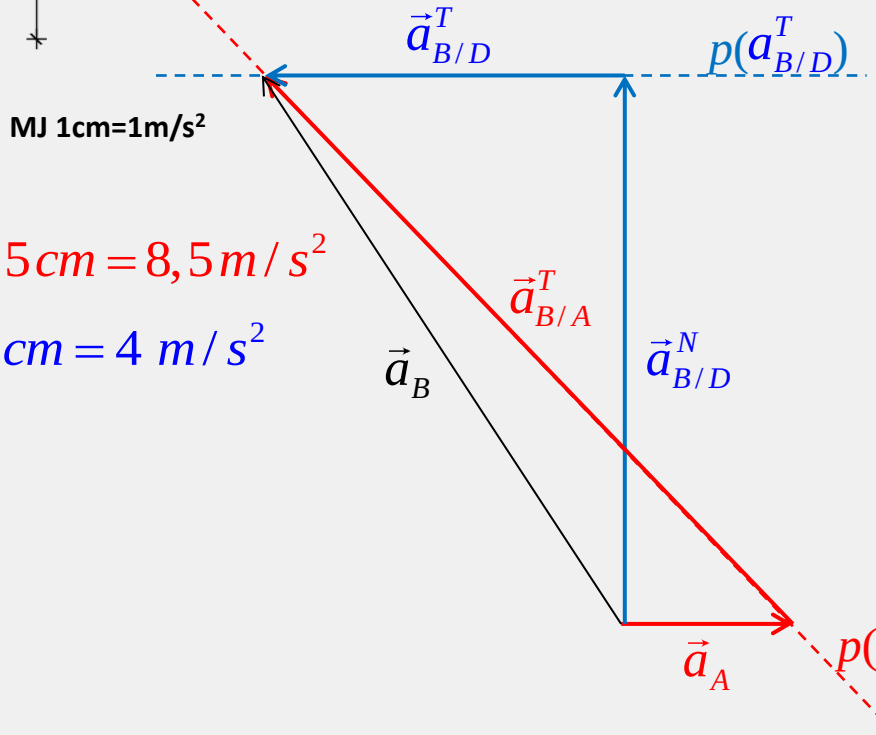
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

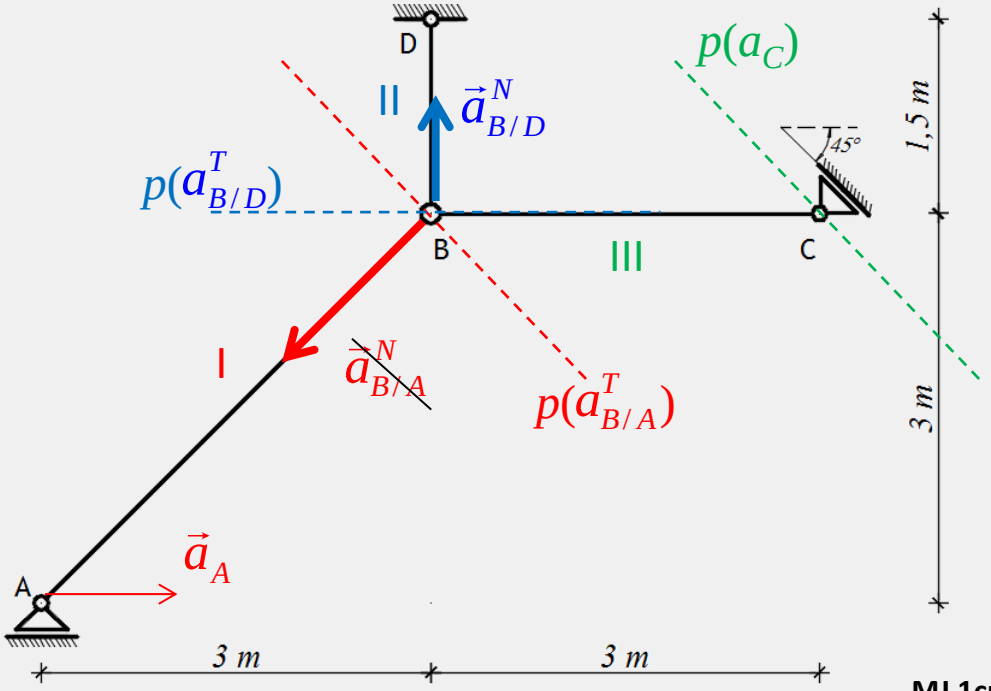
$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

očitano:

$$a^T_{B/A} = 8{,}5 cm = 8{,}5 m/s^2$$

$$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

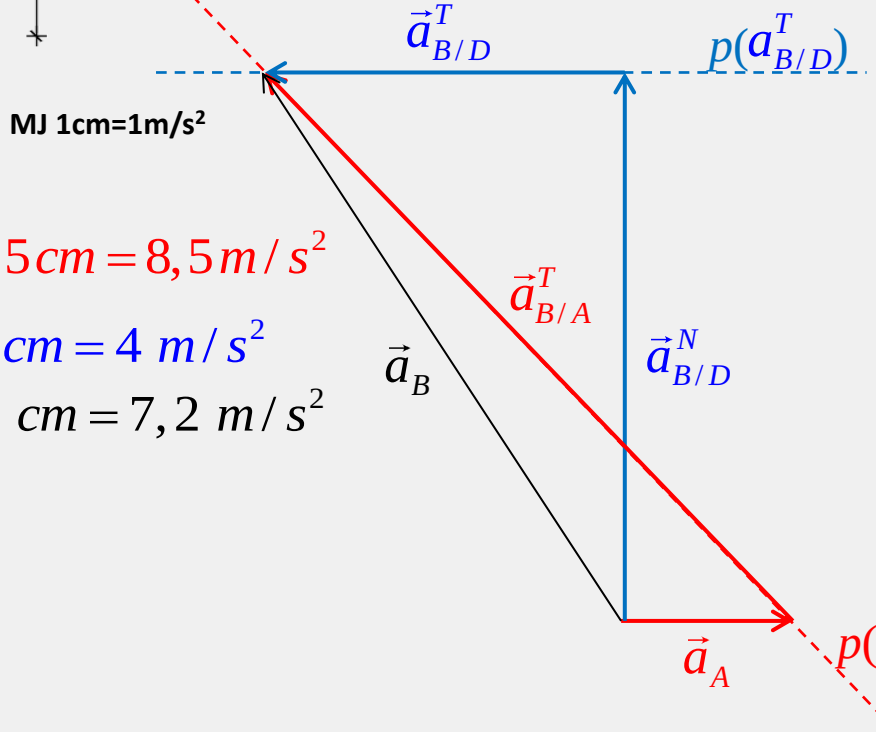
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1,5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

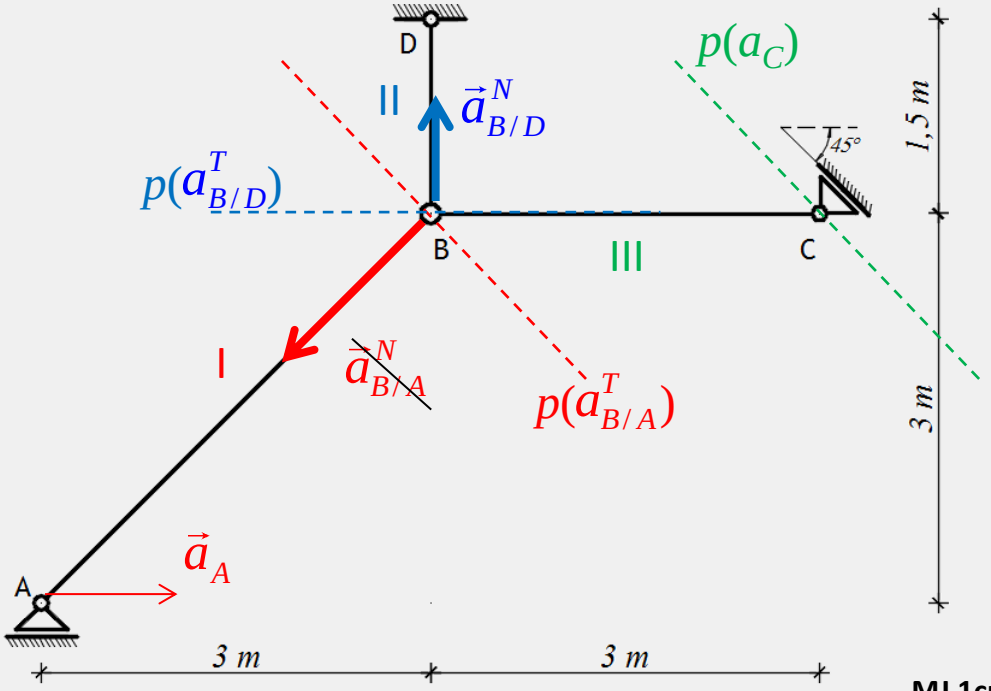
očitano:

$$a^T_{B/A} = 8,5cm = 8,5m/s^2$$

$$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$$

$$a_B = 7,2 \ cm = 7,2 \ m/s^2$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

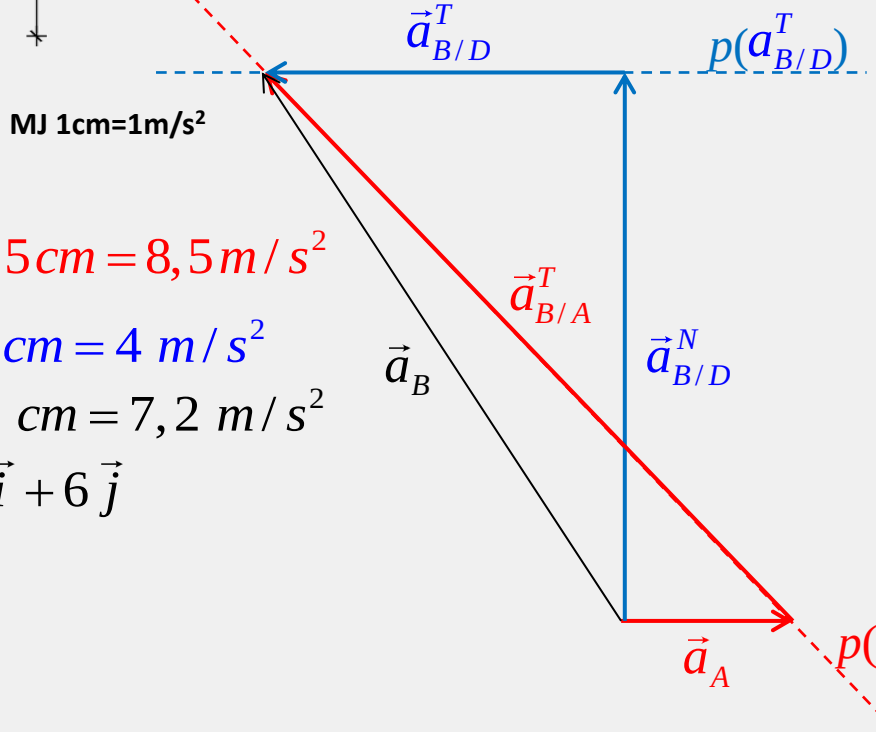
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



$$a^N_{B/A} = \omega^2_I \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega^2_{II} \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

očitano:

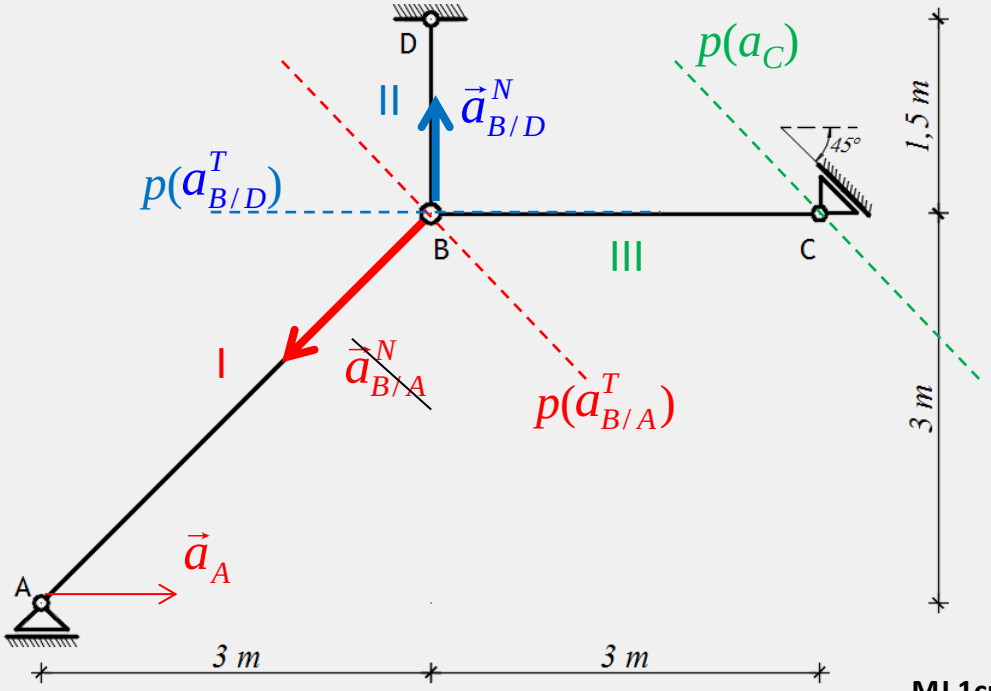
$$a^T_{B/A} = 8{,}5 cm = 8{,}5 m/s^2$$

$$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$$

$$a_B = 7{,}2 \ cm = 7{,}2 \ m/s^2$$

$$\vec{a}_B = -4\vec{i} + 6\vec{j}$$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

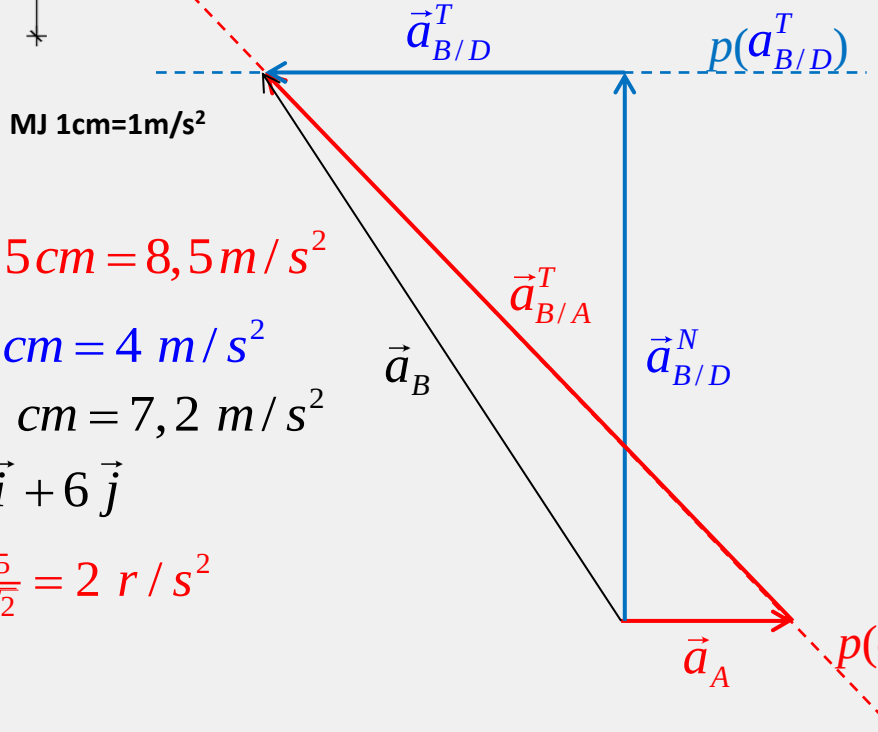
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

očitano:

$$a^T_{B/A} = 8{,}5 cm = 8{,}5 m/s^2$$

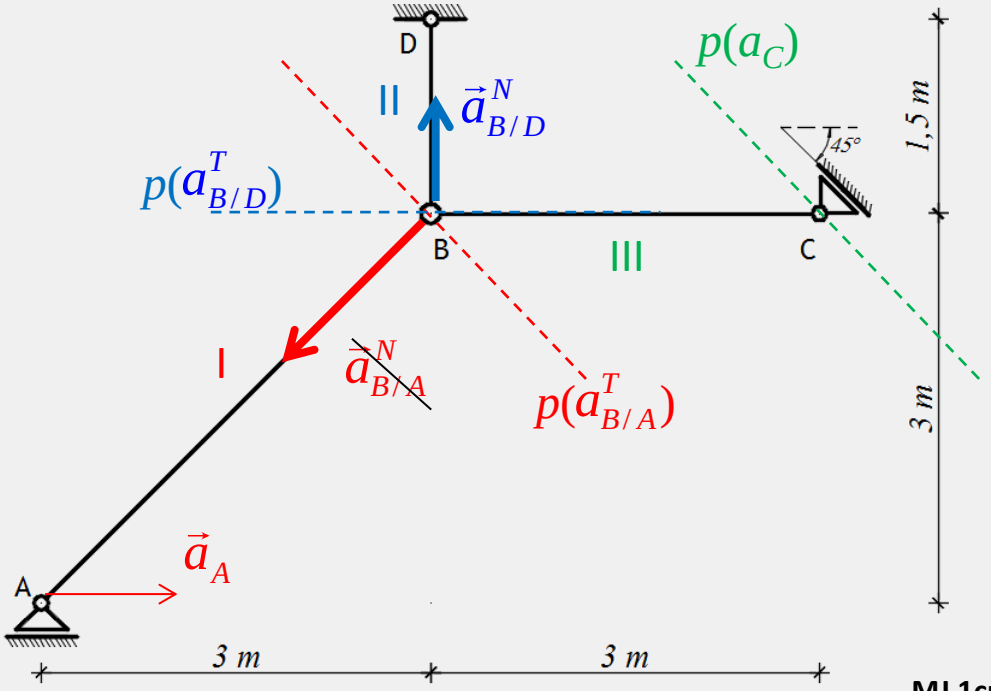
$$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$$

$$a_B = 7{,}2 \ cm = 7{,}2 \ m/s^2$$

$$\vec{a}_B = -4\vec{i} + 6\vec{j}$$

$$\varepsilon_I = \frac{a^T_{B/A}}{\overline{BA}} = \frac{8{,}5}{3\sqrt{2}} = 2 \ r/s^2$$

UBRZANJA



Uvjeti spojeva s podlogom

$\vec{a}_A = 2\vec{i}$

$\vec{a}_D = \vec{0}$

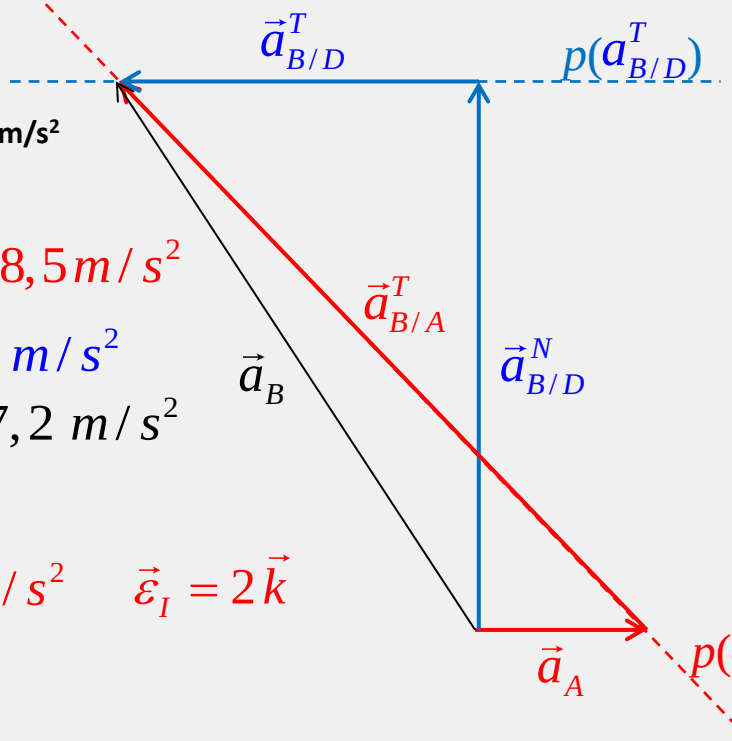
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$\vec{a}^I_B = \vec{a}_A + \vec{a}^N_{B/A} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$

Gibanje tijela II

$\vec{a}^{II}_B = \vec{a}_D + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$



MJ 1cm=1m/s²

$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$

$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$

$\vec{a}^N_{B/D} = 6\vec{j}$

$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$

očitano:

$a^T_{B/A} = 8{,}5 cm = 8{,}5 m/s^2$

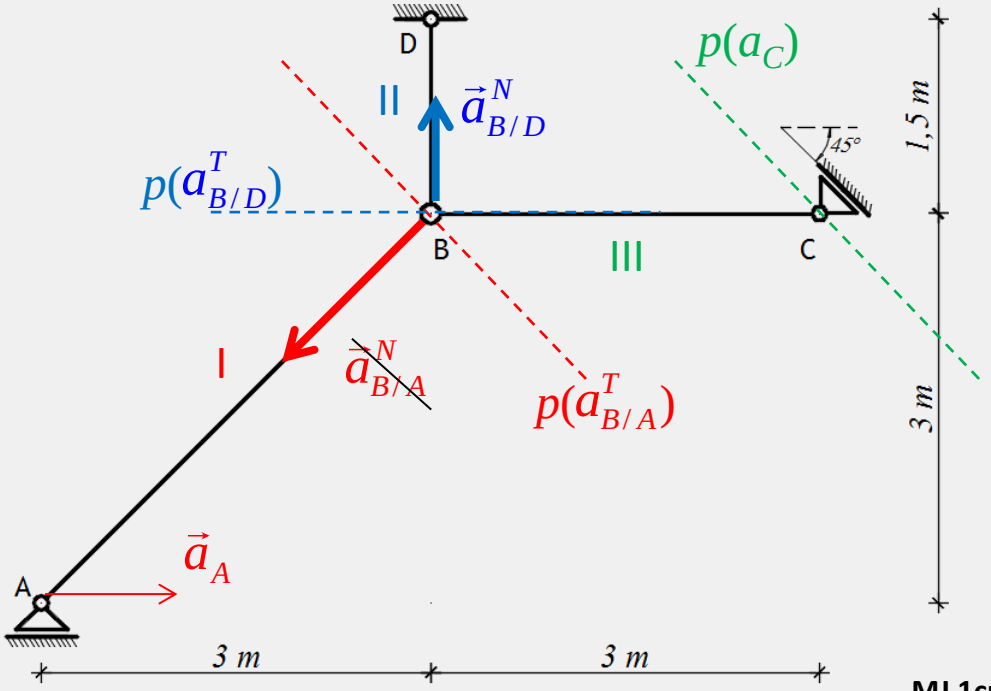
$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$

$a_B = 7{,}2 \ cm = 7{,}2 \ m/s^2$

$\vec{a}_B = -4\vec{i} + 6\vec{j}$

$\varepsilon_I = \frac{a^T_{B/A}}{\overline{BA}} = \frac{8{,}5}{3\sqrt{2}} = 2 \ r/s^2 \qquad \vec{\varepsilon}_I = 2\vec{k}$

UBRZANJA



Uvjeti spojeva s podlogom

$\vec{a}_A = 2\vec{i}$

$\vec{a}_D = \vec{0}$

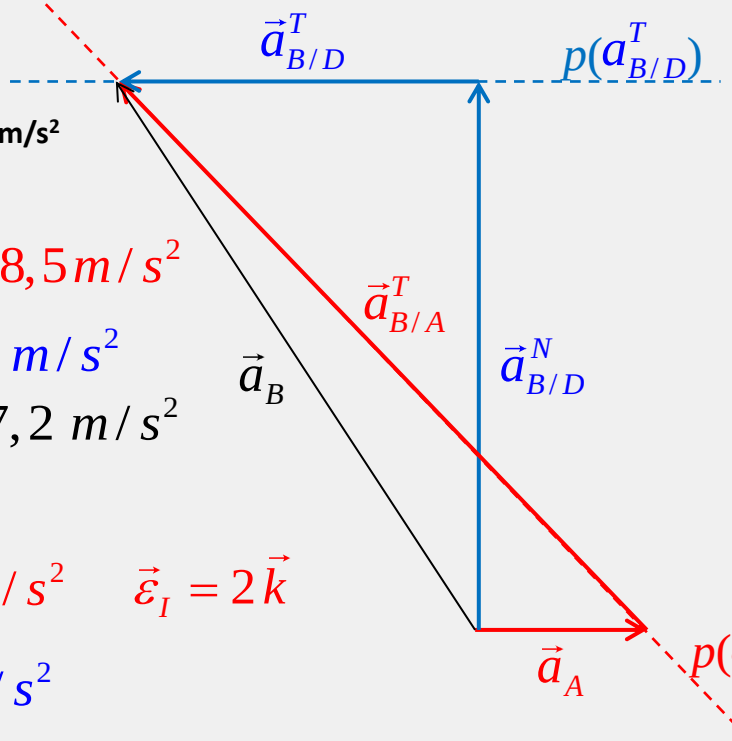
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$\vec{a}^I_B = \vec{a}_A + \vec{a}^N_{B/A} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$

Gibanje tijela II

$\vec{a}^{II}_B = \vec{a}_D + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$



MJ 1cm=1m/s²

$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$

$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$

$\vec{a}^N_{B/D} = 6\vec{j}$

$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$

očitano:

$a^T_{B/A} = 8{,}5 cm = 8{,}5 m/s^2$

$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$

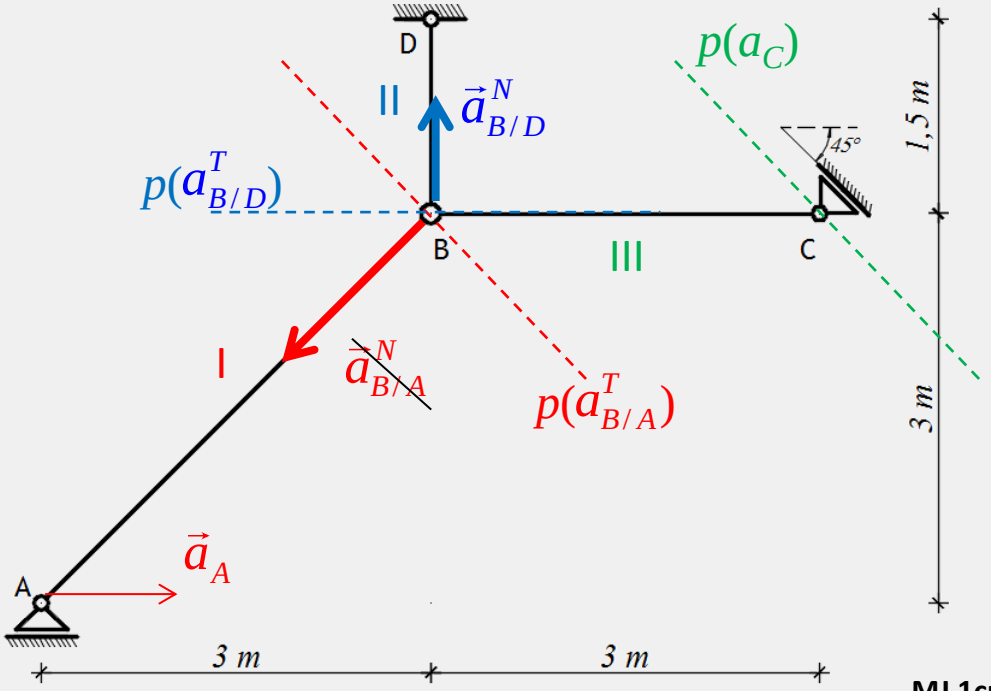
$a_B = 7{,}2 \ cm = 7{,}2 \ m/s^2$

$\vec{a}_B = -4\vec{i} + 6\vec{j}$

$\varepsilon_I = \frac{a^T_{B/A}}{\overline{BA}} = \frac{8{,}5}{3\sqrt{2}} = 2 \ r/s^2 \qquad \vec{\varepsilon}_I = 2\vec{k}$

$\varepsilon_{II} = \frac{a^T_{B/D}}{\overline{BD}} = \frac{4}{1{,}5} = \frac{8}{3} \ r/s^2$

UBRZANJA



Uvjeti spojeva s podlogom

$$\vec{a}_A = 2\vec{i}$$

$$\vec{a}_D = \vec{0}$$

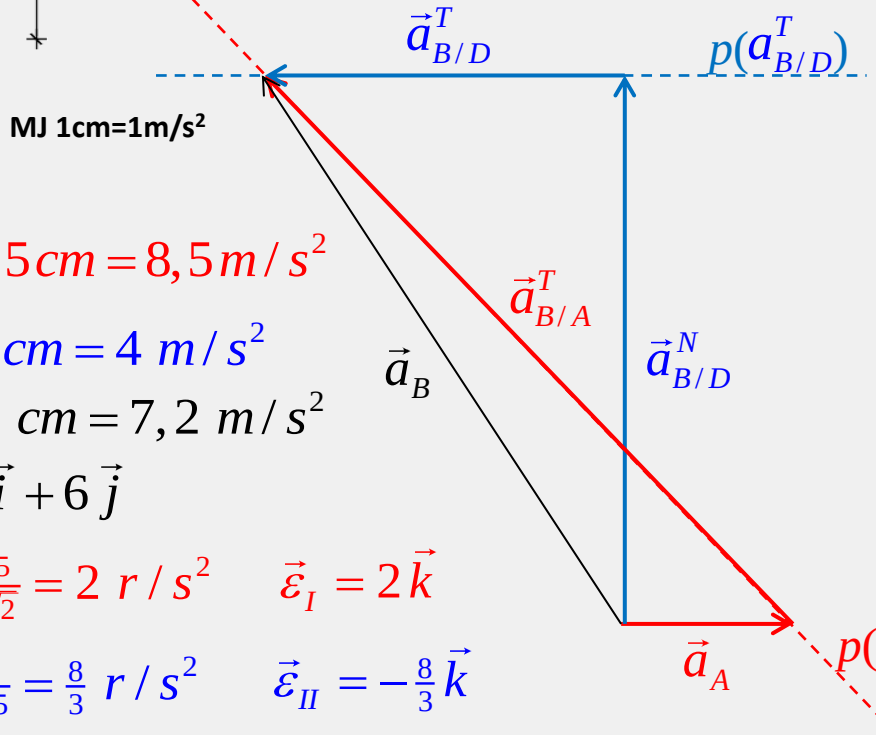
Uvjet spoja tijela $\boxed{\vec{a}^I_B = \vec{a}^{II}_B} = \vec{a}^{III}_B = \vec{a}_B$

Gibanje tijela I

$$\vec{a}^I_B = \vec{a}_A + \cancel{\vec{a}^N_{B/A}} + \vec{a}^T_{B/A} = \vec{a}_A + \vec{a}^T_{B/A}$$

Gibanje tijela II

$$\vec{a}^{II}_B = \cancel{\vec{a}_D} + \vec{a}^N_{B/D} + \vec{a}^T_{B/D} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$



$$a^N_{B/A} = \omega_I^2 \overline{BA} = 0 \ m/s^2$$

$$a^N_{B/D} = \omega_{II}^2 \overline{BD} = 2^2 \cdot 1{,}5 = 6 \ m/s^2$$

$$\vec{a}^N_{B/D} = 6\vec{j}$$

$$\vec{a}_A + \vec{a}^T_{B/A} = \vec{a}^N_{B/D} + \vec{a}^T_{B/D}$$

očitano:

$$a^T_{B/A} = 8{,}5 cm = 8{,}5 m/s^2$$

$$a^T_{B/D} = 4 \ cm = 4 \ m/s^2$$

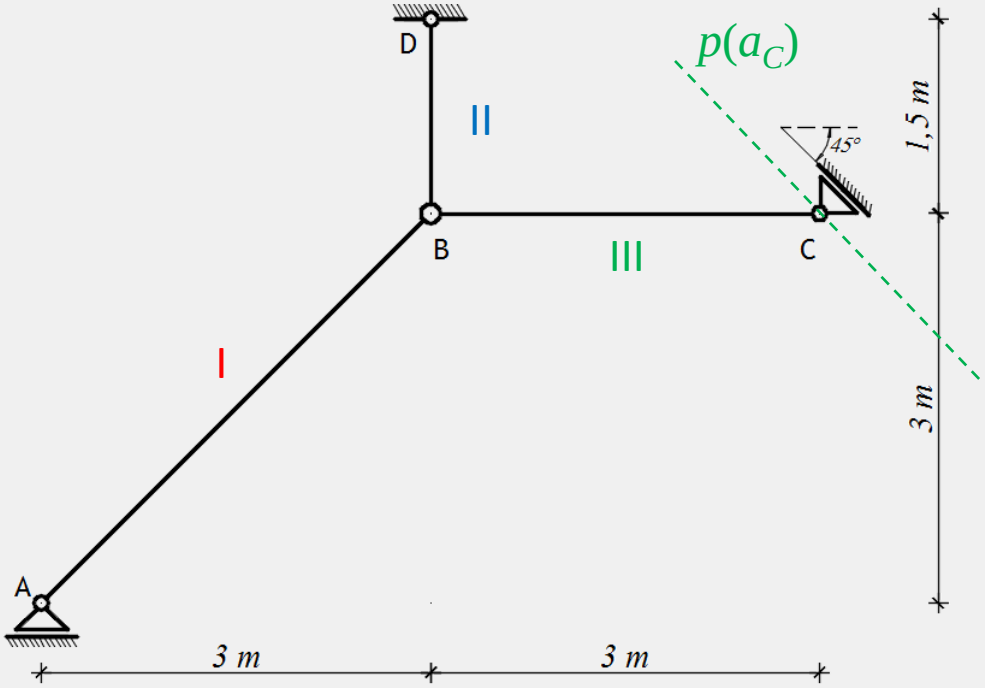
$$a_B = 7{,}2 \ cm = 7{,}2 \ m/s^2$$

$$\vec{a}_B = -4\vec{i} + 6\vec{j}$$

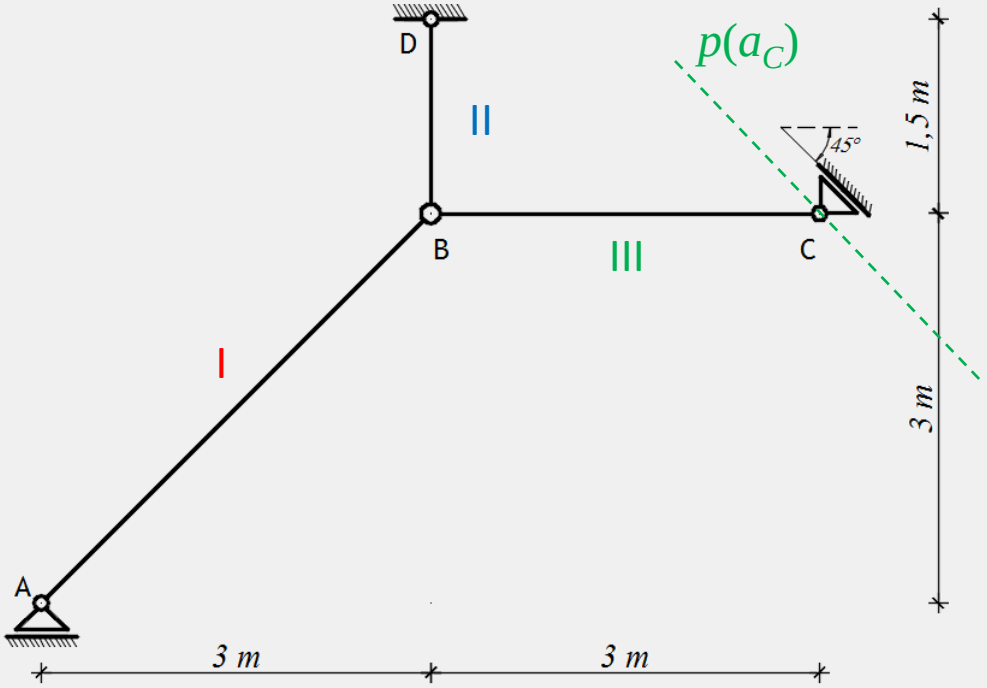
$$\varepsilon_I = \frac{a^T_{B/A}}{\overline{BA}} = \frac{8{,}5}{3\sqrt{2}} = 2 \ r/s^2 \qquad \vec{\varepsilon}_I = 2\vec{k}$$

$$\varepsilon_{II} = \frac{a^T_{B/D}}{\overline{BD}} = \frac{4}{1{,}5} = \frac{8}{3} \ r/s^2 \qquad \vec{\varepsilon}_{II} = -\frac{8}{3}\vec{k}$$

UBRZANJA



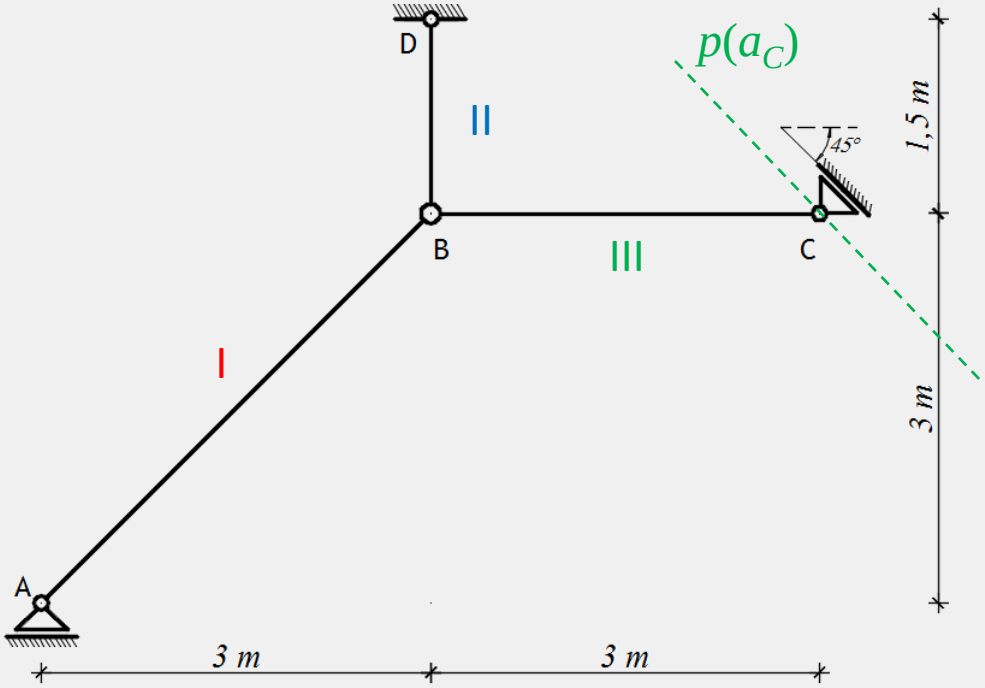
UBRZANJA



Uvjet spoja tijela

$$\vec{a}_B^{\,III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

UBRZANJA



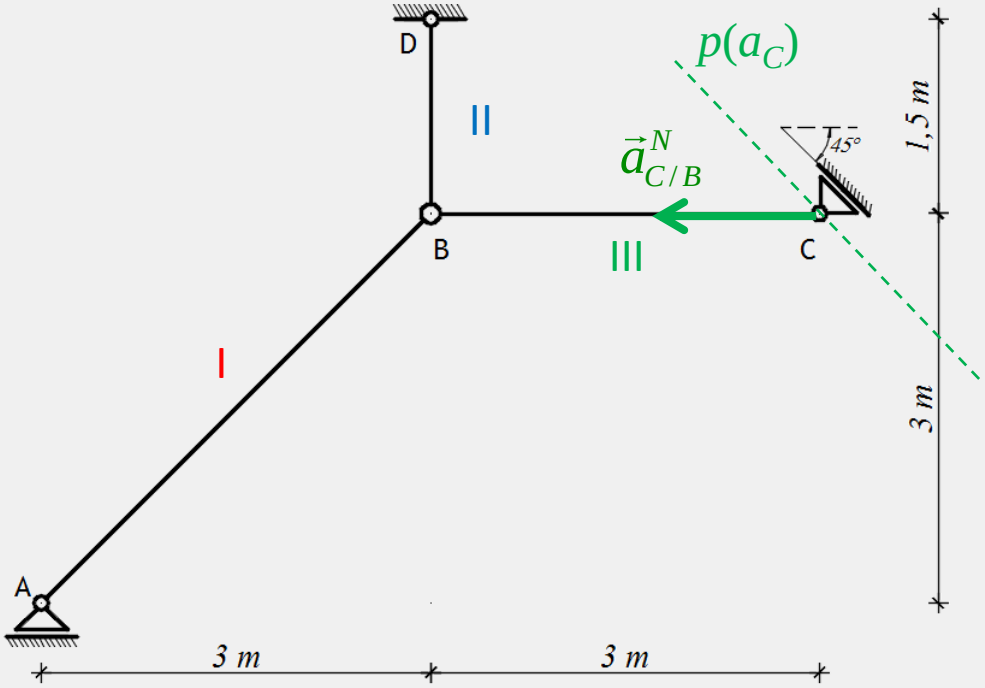
Uvjet spoja tijela

$$\vec{a}_B^{\,III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}_{C/B}^{\,N} + \vec{a}_{C/B}^{\,T}$$

UBRZANJA



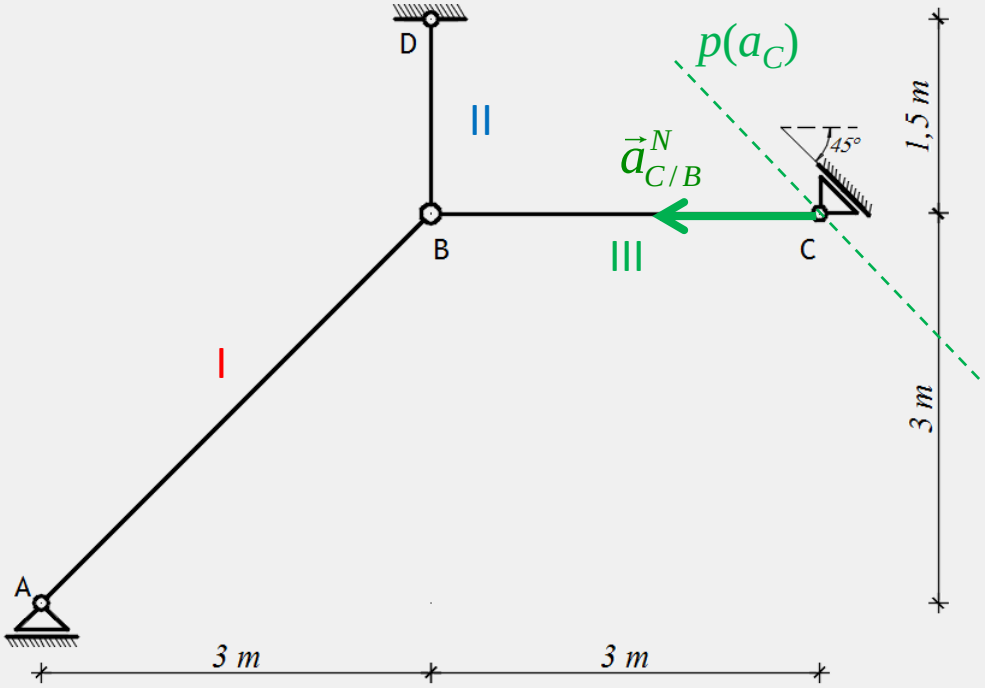
Uvjet spoja tijela

$$\vec{a}_B^{\,III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^{\,N}_{C/B} + \vec{a}^{\,T}_{C/B}$$

UBRZANJA



Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

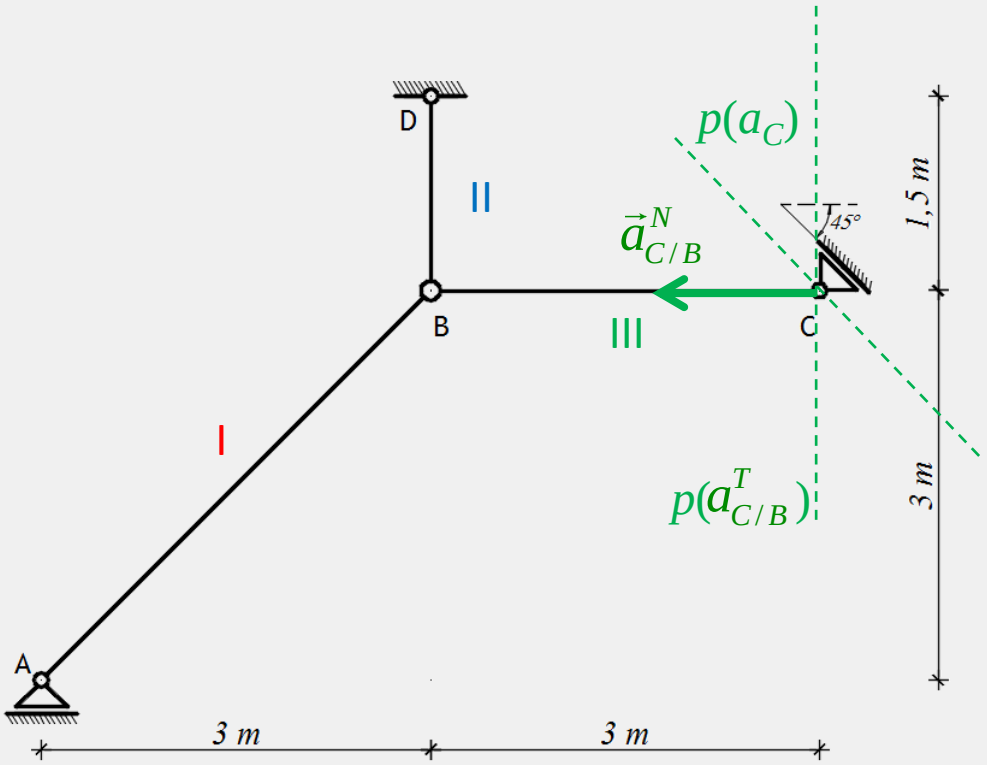
Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$

$$a^{N}_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

UBRZANJA



Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

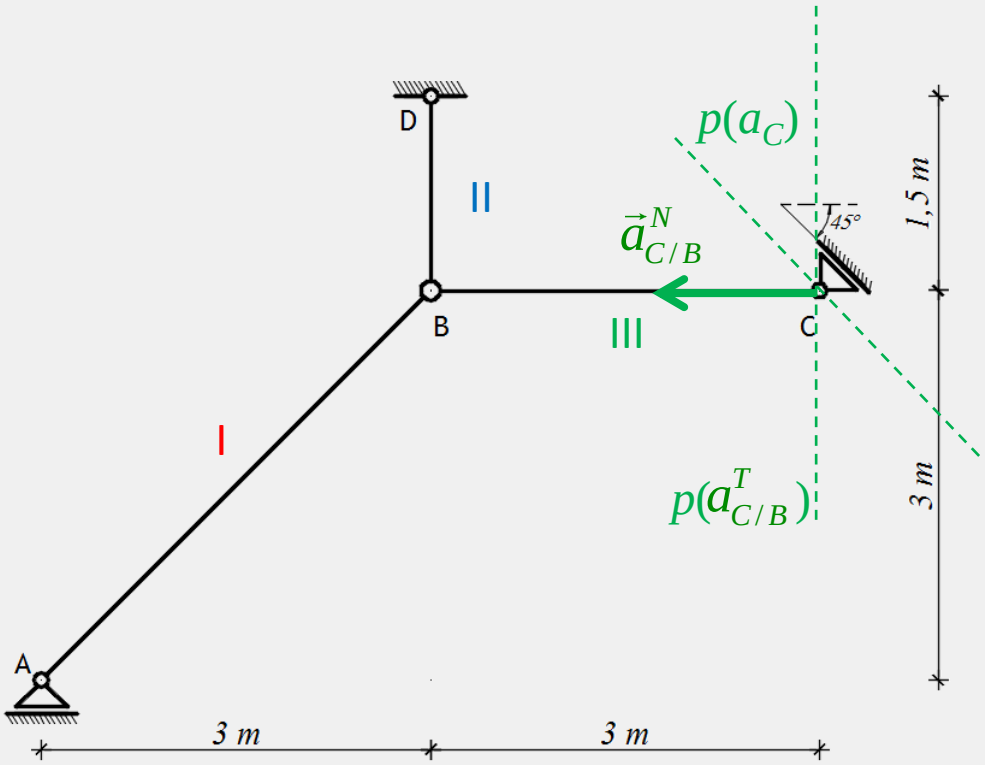
Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$

$$a^{N}_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

UBRZANJA



$p(a_C)$

$\vec{a}^{N}_{C/B}$

$p(a^{T}_{C/B})$

Uvjet spoja tijela

$$\vec{a}^{III}_{B} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

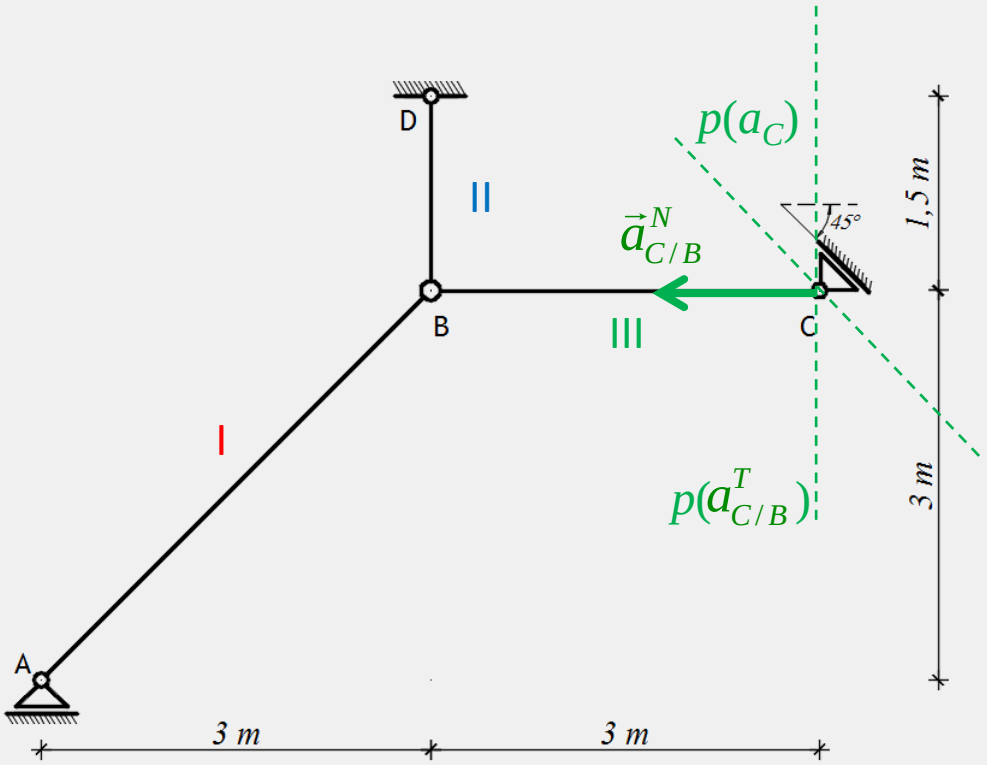
$$\vec{a}_C = \vec{a}_B + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$

MJ 1cm=1m/s

$$a^{N}_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

UBRZANJA



$p(a_C)$

$p(a^T_{C/B})$

$\vec{a}^N_{C/B}$

Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

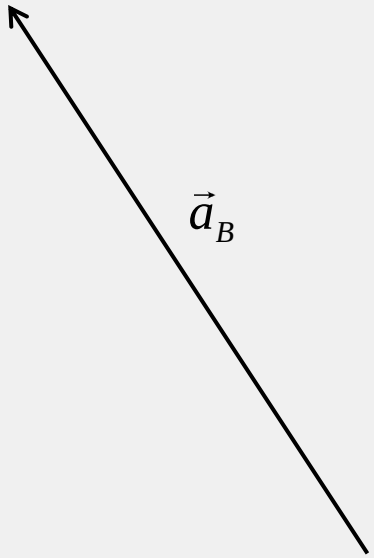
Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$

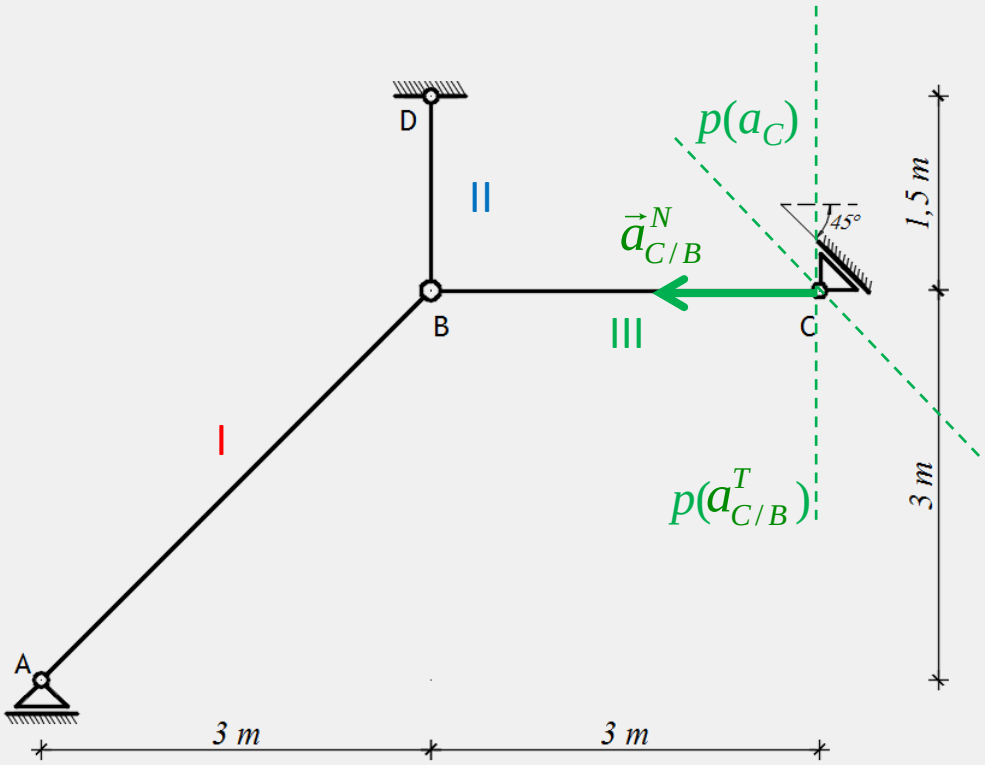
MJ 1cm=1m/s

$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^N_{C/B} = -3\,\vec{i}$$



UBRZANJA



$p(a_C)$

$\vec{a}^{N}_{C/B}$

$p(a^{T}_{C/B})$

$$a^{N}_{C/B} = \omega^{2}_{III}\,\overline{BC} = 1^{2}\cdot 3 = 3\ m/s^{2}$$

$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

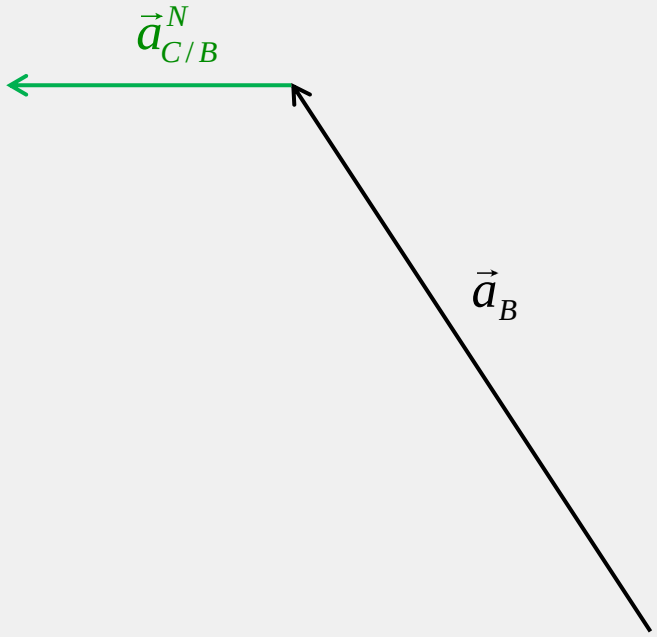
Uvjet spoja tijela

$$\vec{a}^{III}_{B} = \vec{a}_{B} = -4\,\vec{i} + 6\,\vec{j}$$

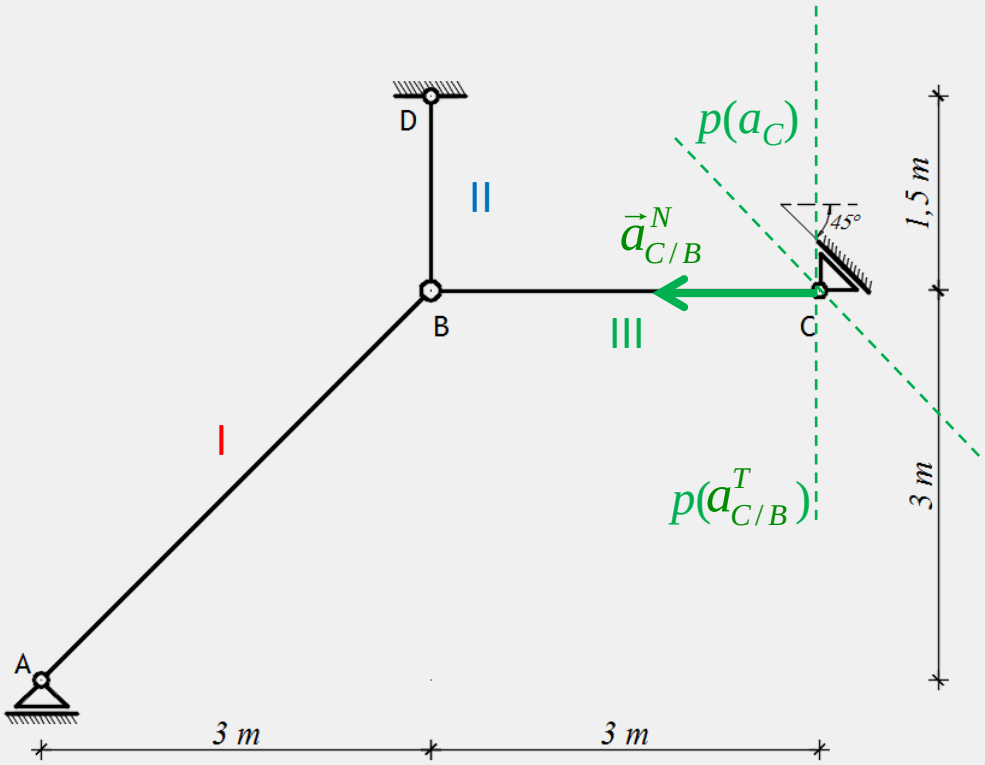
Gibanje tijela III

$$\vec{a}_{C} = \vec{a}_{B} + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$

MJ 1cm=1m/s



UBRZANJA



$p(a_C)$

$\vec{a}^{N}_{C/B}$

$p(a^{T}_{C/B})$

$$a^{N}_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

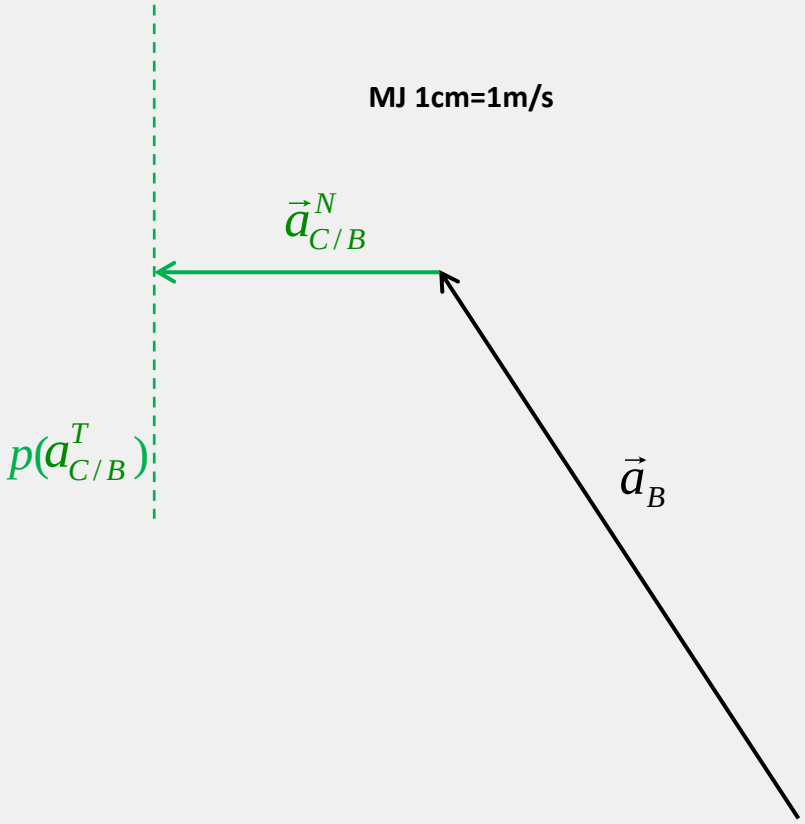
Uvjet spoja tijela

$$\vec{a}^{III}_{B} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

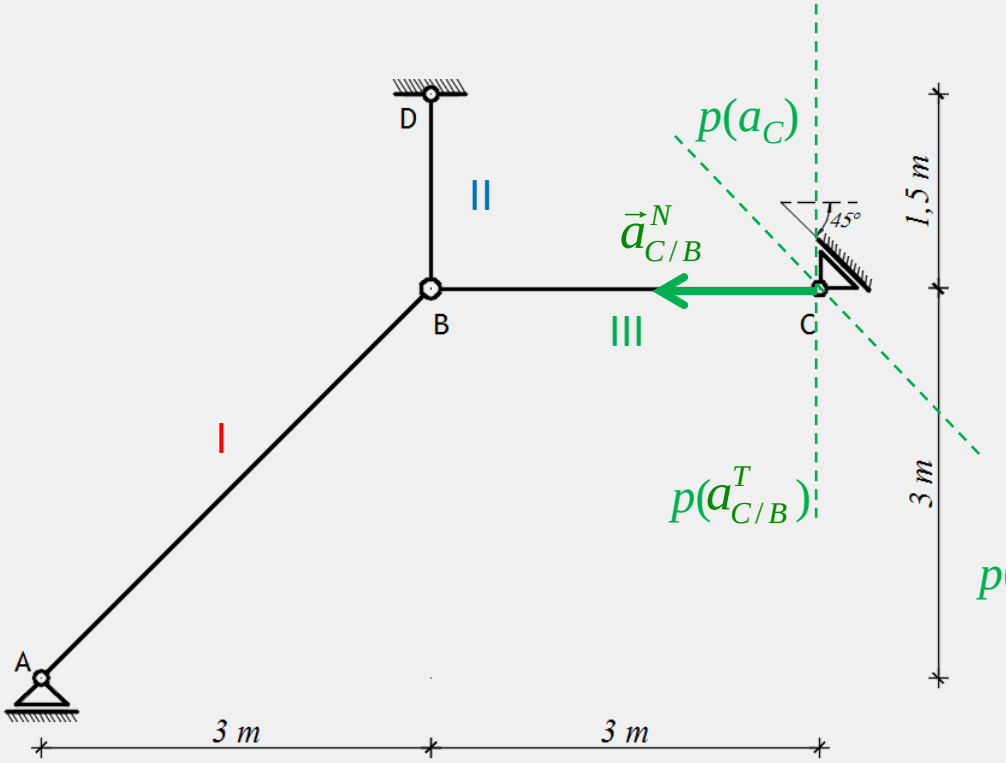
Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$

MJ 1cm=1m/s



UBRZANJA



$p(a_C)$

$\vec{a}^{N}_{C/B}$

$p(a^{T}_{C/B})$

$$a^{N}_{C/B} = \omega^{2}_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

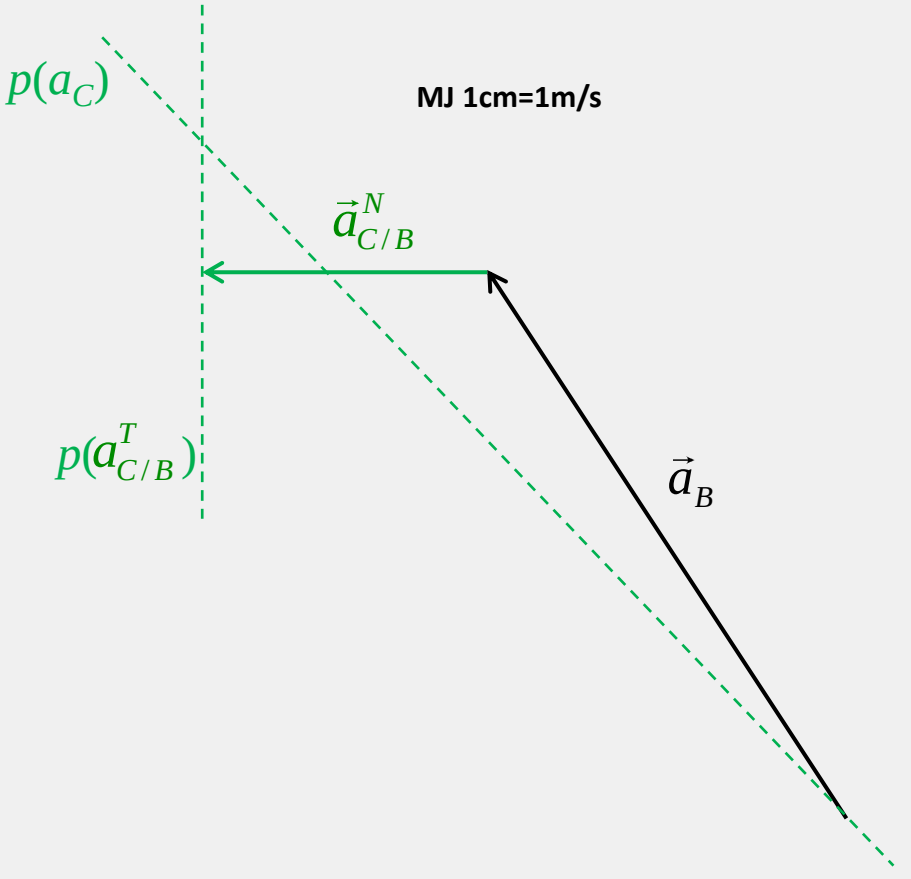
$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

Uvjet spoja tijela

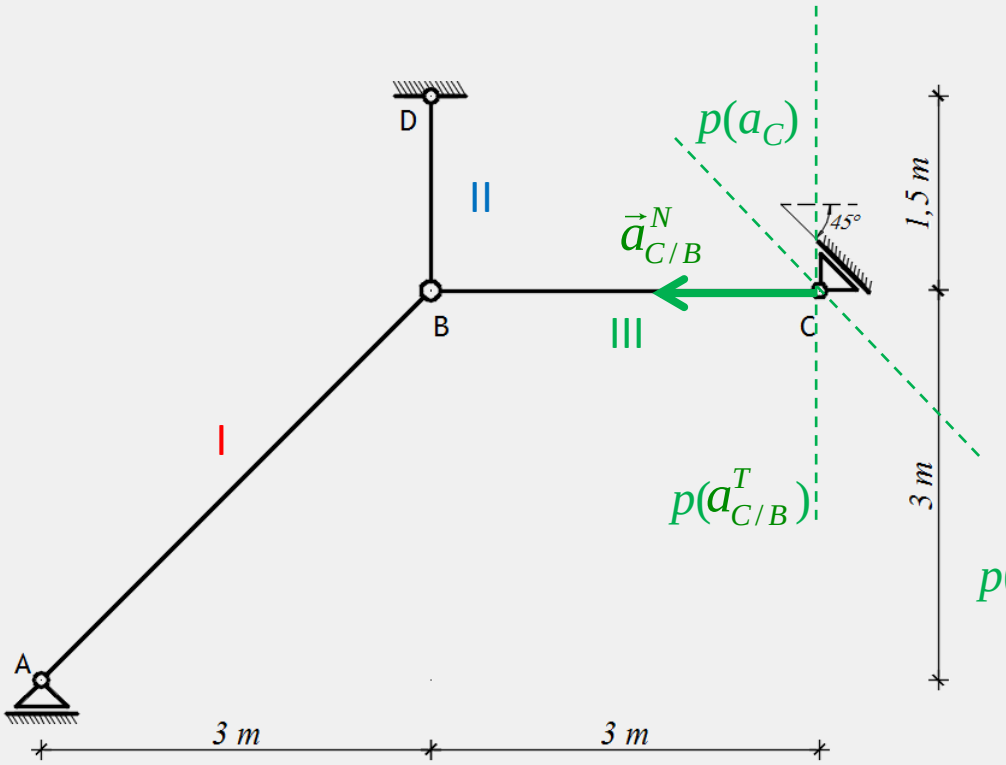
$$\vec{a}^{III}_{B} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$



UBRZANJA



$p(a_C)$

$\vec{a}^{N}_{C/B}$

$p(a^{T}_{C/B})$

$$a^{N}_{C/B} = \omega^{2}_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

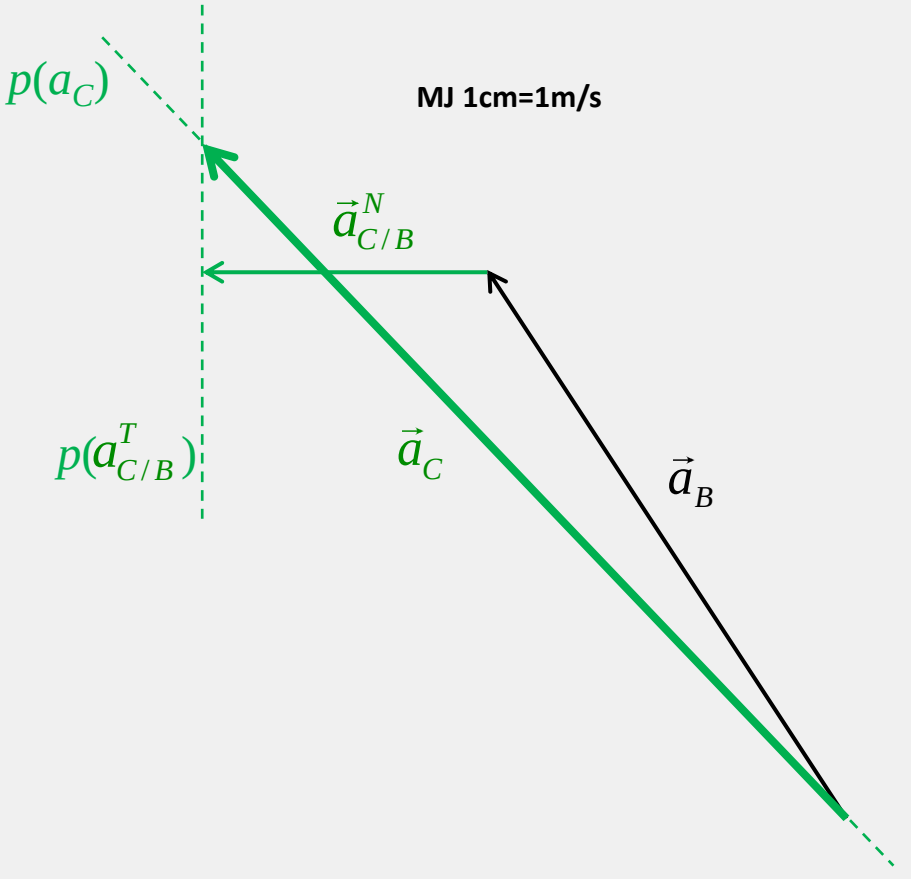
$$\vec{a}^{N}_{C/B} = -3\,\vec{i}$$

Uvjet spoja tijela

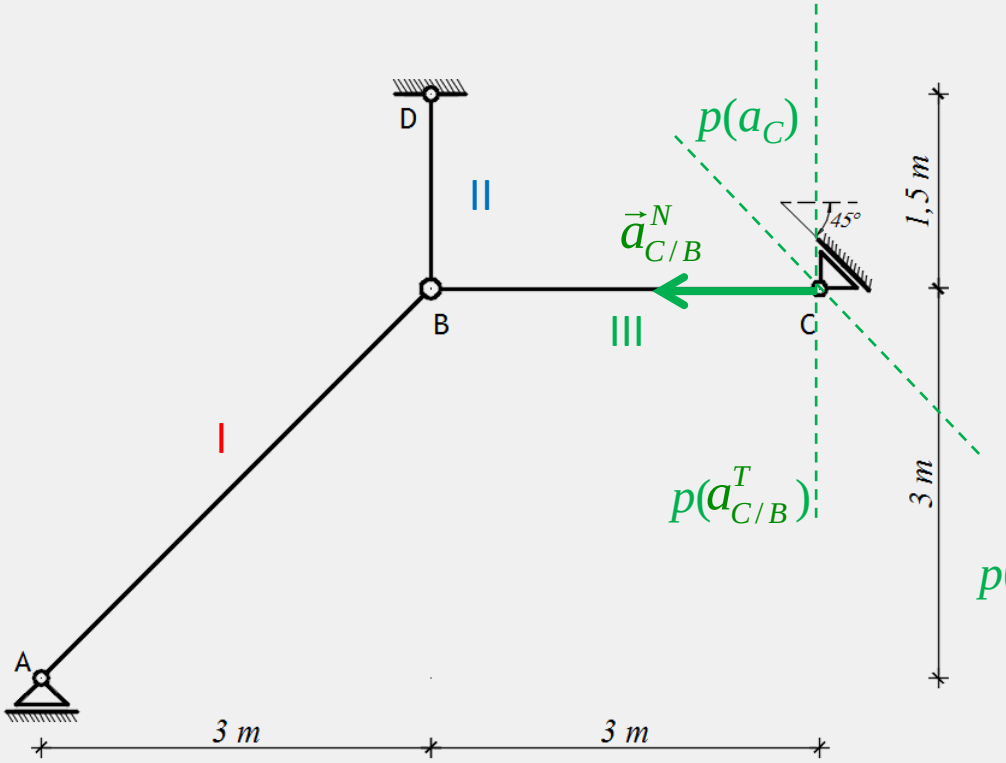
$$\vec{a}^{III}_{B} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^{N}_{C/B} + \vec{a}^{T}_{C/B}$$



UBRZANJA



$p(a_C)$

$\vec{a}^N_{C/B}$

$p(a^T_{C/B})$

$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

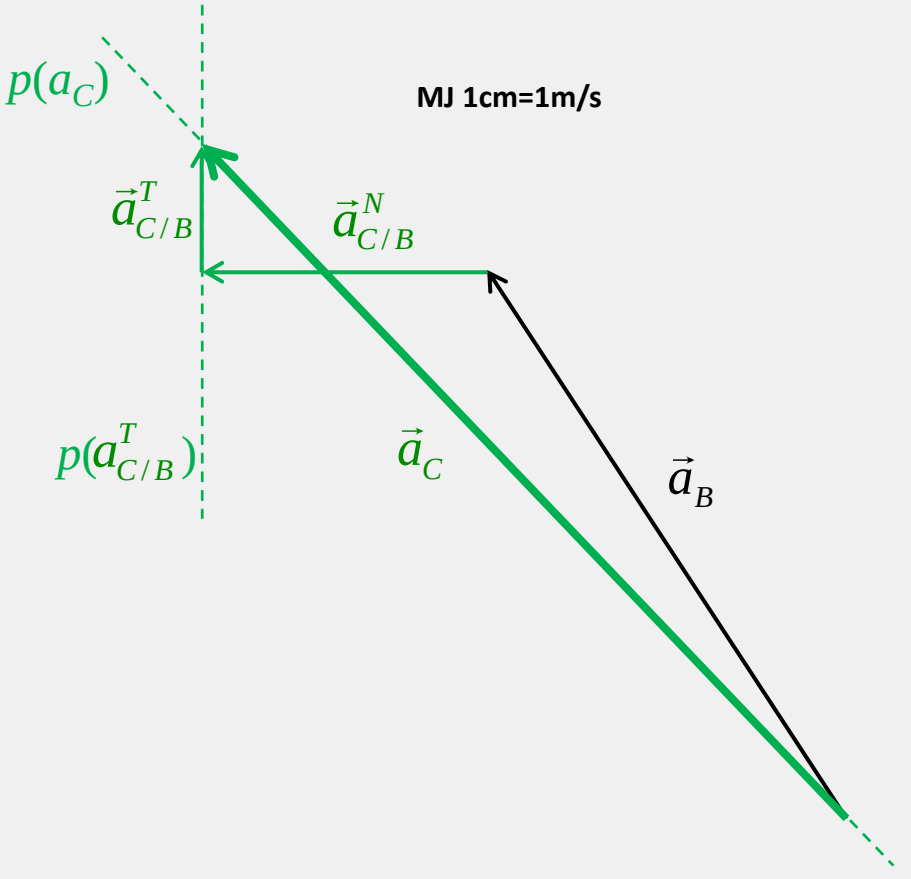
$$\vec{a}^N_{C/B} = -3\,\vec{i}$$

Uvjet spoja tijela

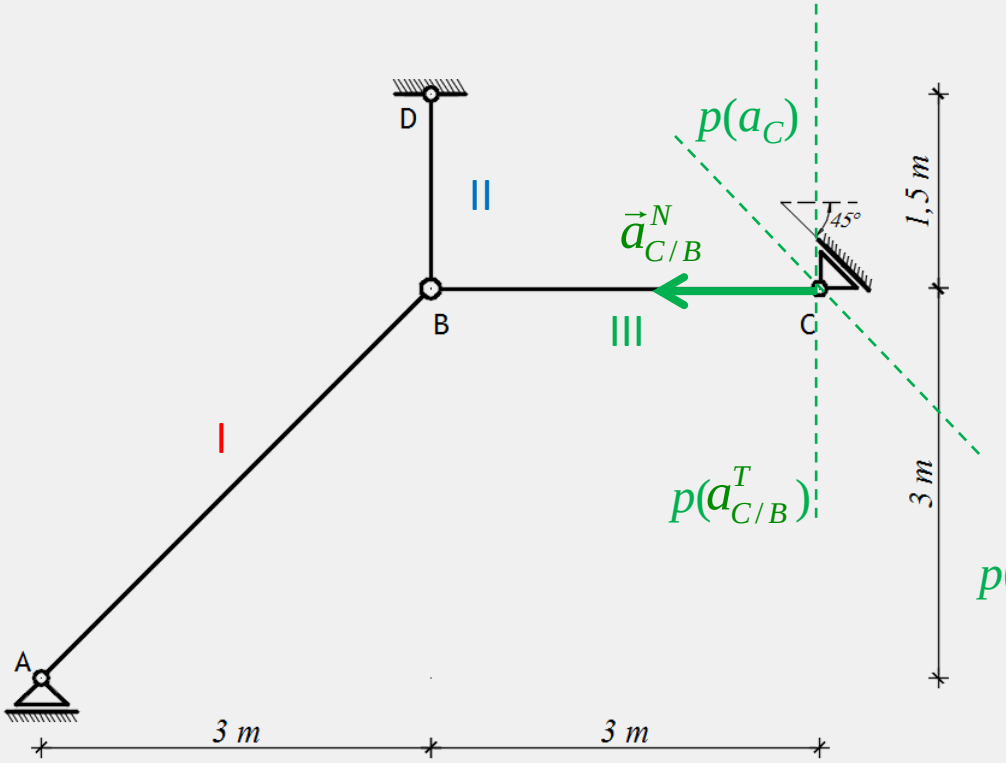
$$\vec{a}^{III}_B = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$



UBRZANJA

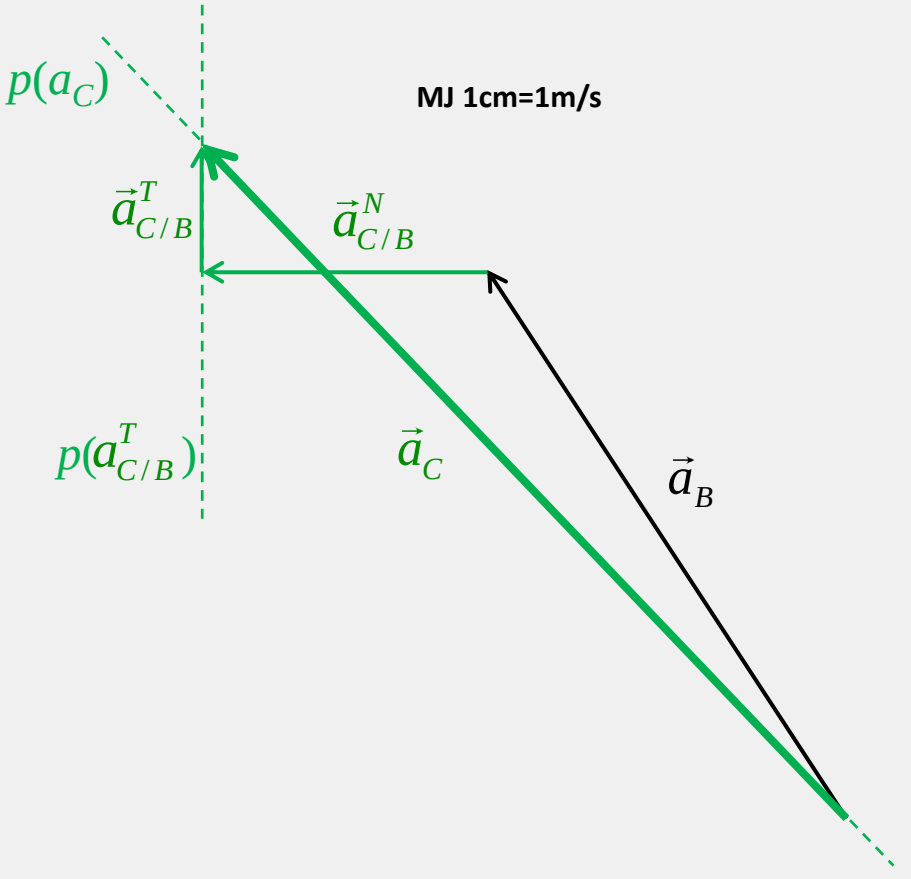


Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$

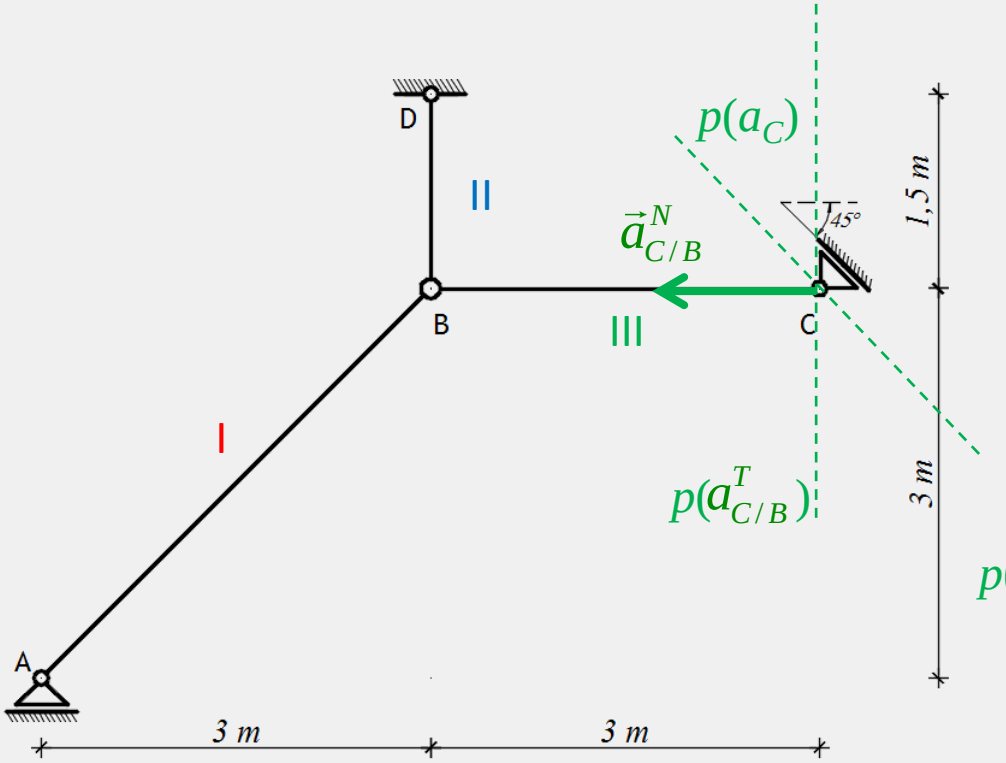


$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^N_{C/B} = -3\,\vec{i}$$

očitano: $a^T_{C/B} = 1\ cm = 1\ m/s^2$

UBRZANJA

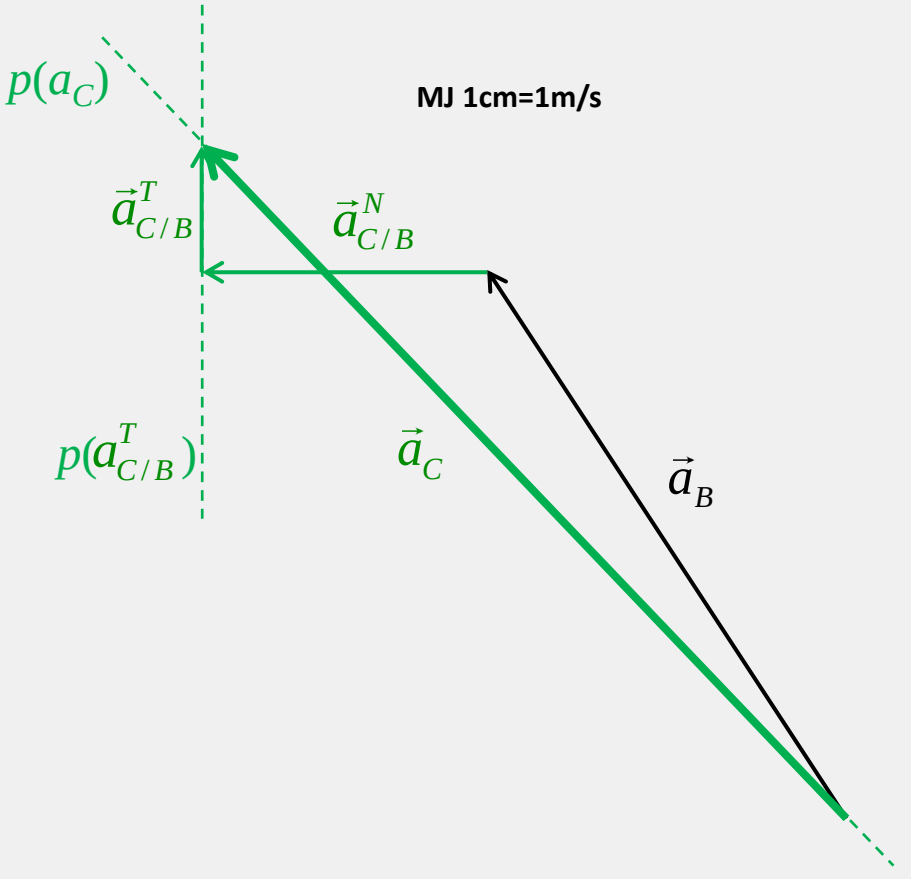


Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$



$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

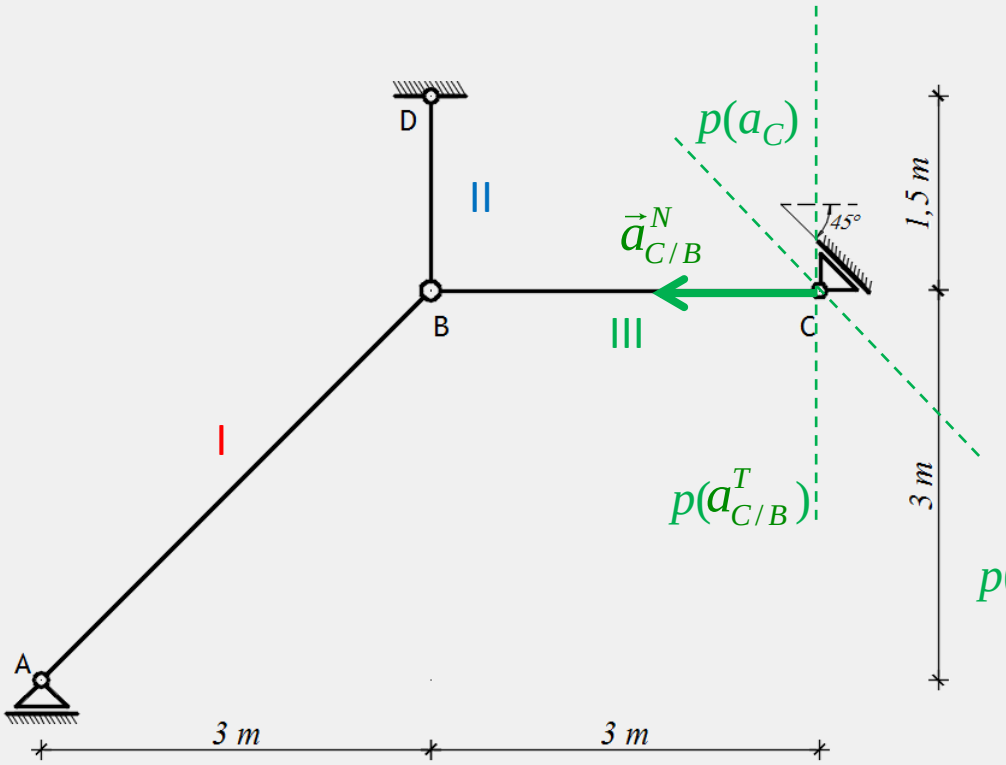
$$\vec{a}^N_{C/B} = -3\,\vec{i}$$

očitano:

$$a^T_{C/B} = 1\ cm = 1\ m/s^2$$

$$a_C = 9{,}9\ cm = 9{,}9\ m/s^2$$

UBRZANJA

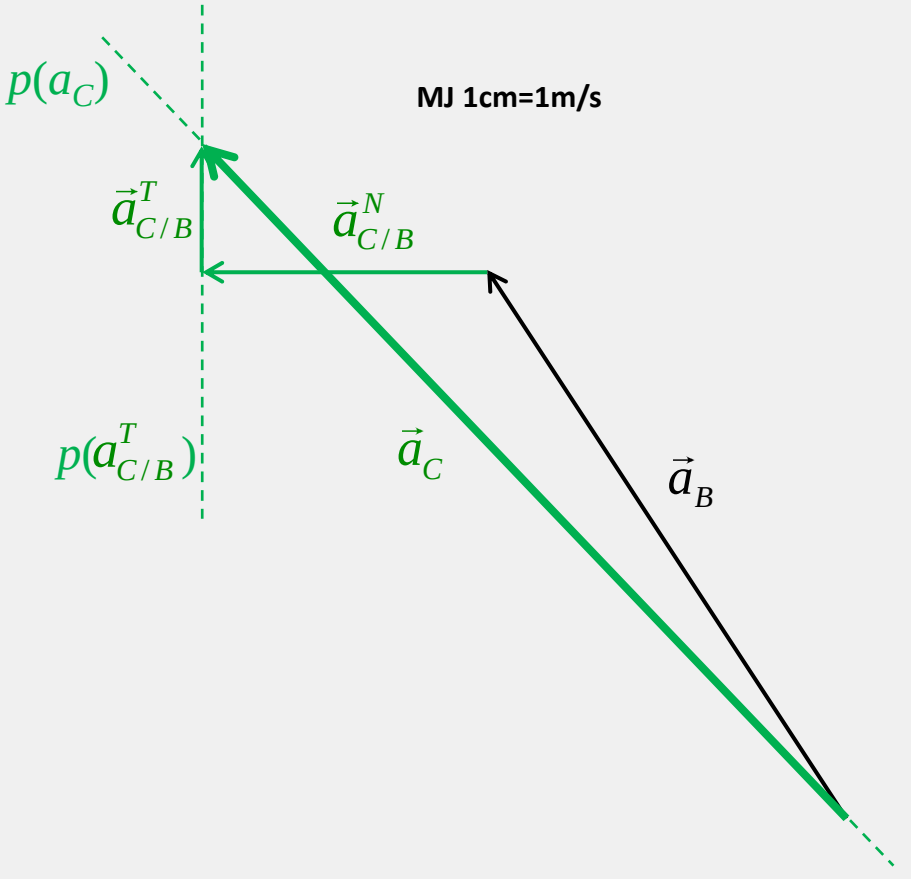


Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$



$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^N_{C/B} = -3\,\vec{i}$$

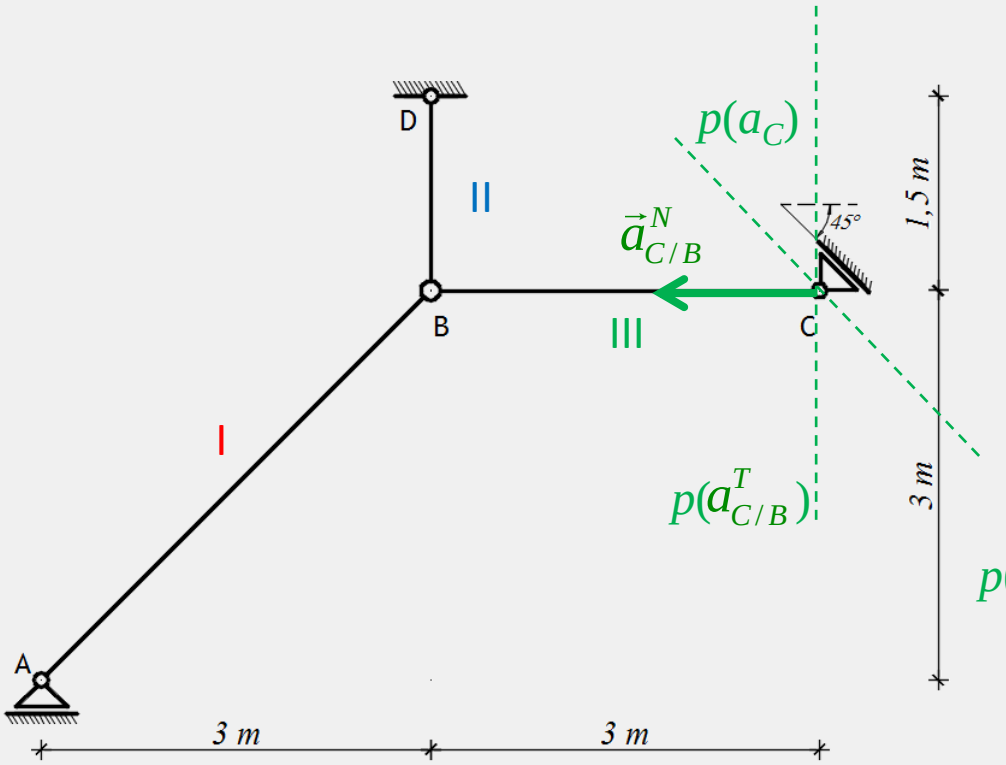
očitano:

$$a^T_{C/B} = 1\ cm = 1\ m/s^2$$

$$a_C = 9{,}9\ cm = 9{,}9\ m/s^2$$

$$\vec{a}_C = -7\,\vec{i} + 7\,\vec{j}$$

UBRZANJA

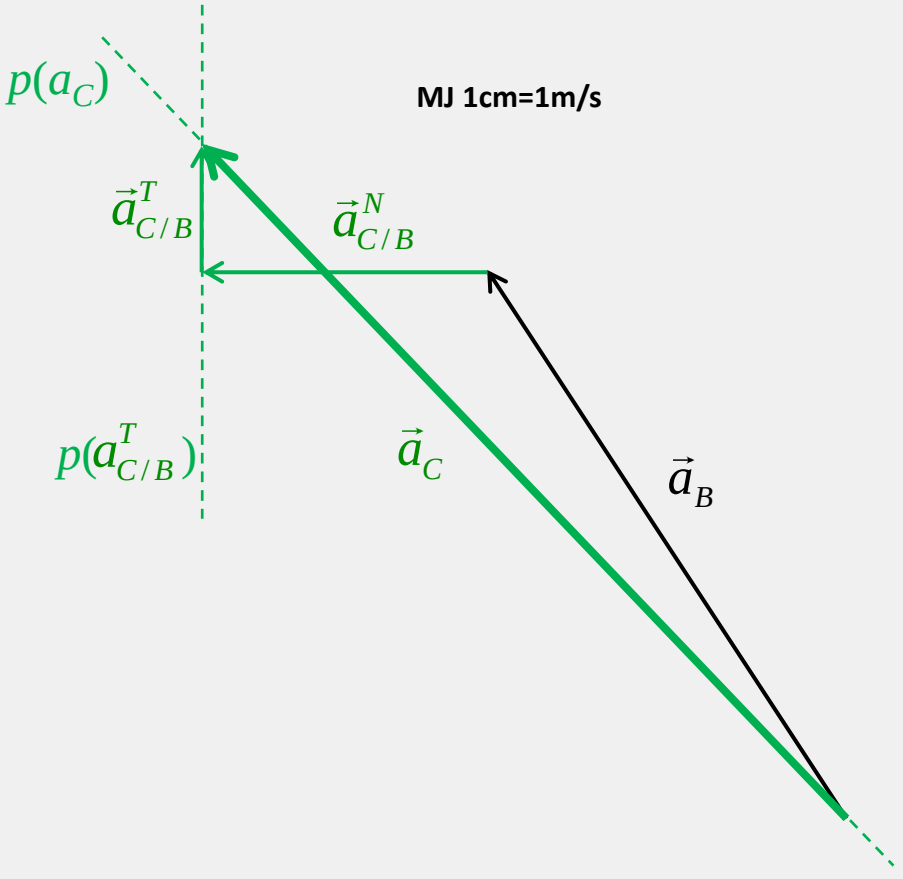


Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$



$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^N_{C/B} = -3\,\vec{i}$$

očitano:

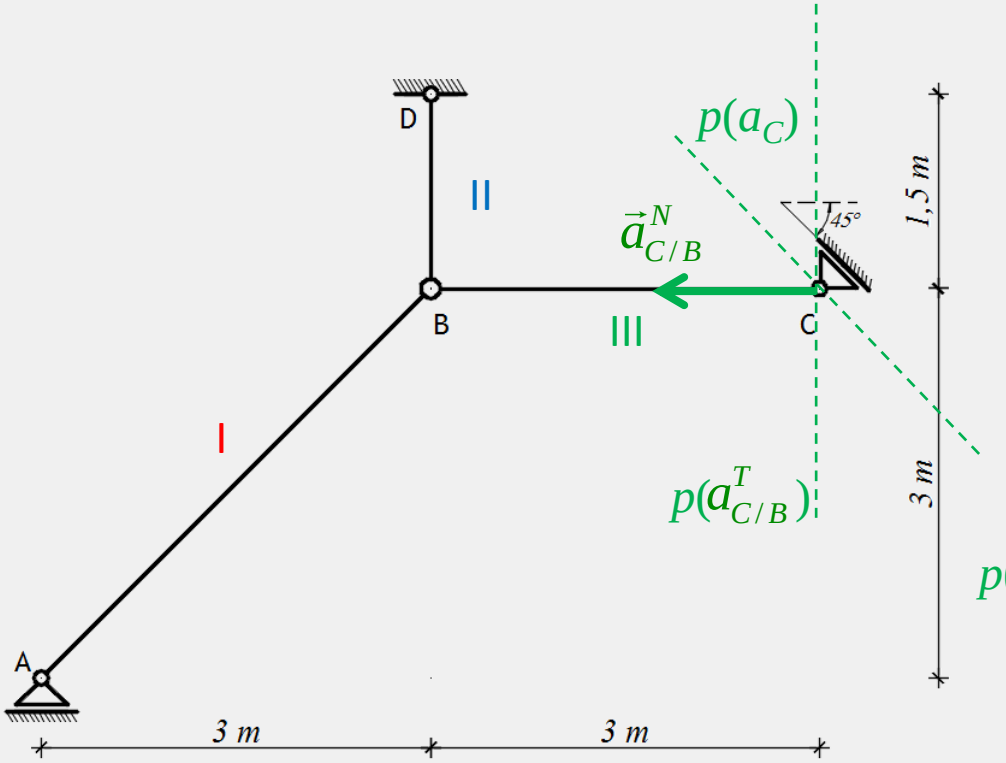
$$a^T_{C/B} = 1\ cm = 1\ m/s^2$$

$$a_C = 9{,}9\ cm = 9{,}9\ m/s^2$$

$$\vec{a}_C = -7\,\vec{i} + 7\,\vec{j}$$

$$\varepsilon_{III} = \frac{a^T_{C/B}}{\overline{CB}} = \frac{1}{3}\ r/s^2$$

UBRZANJA

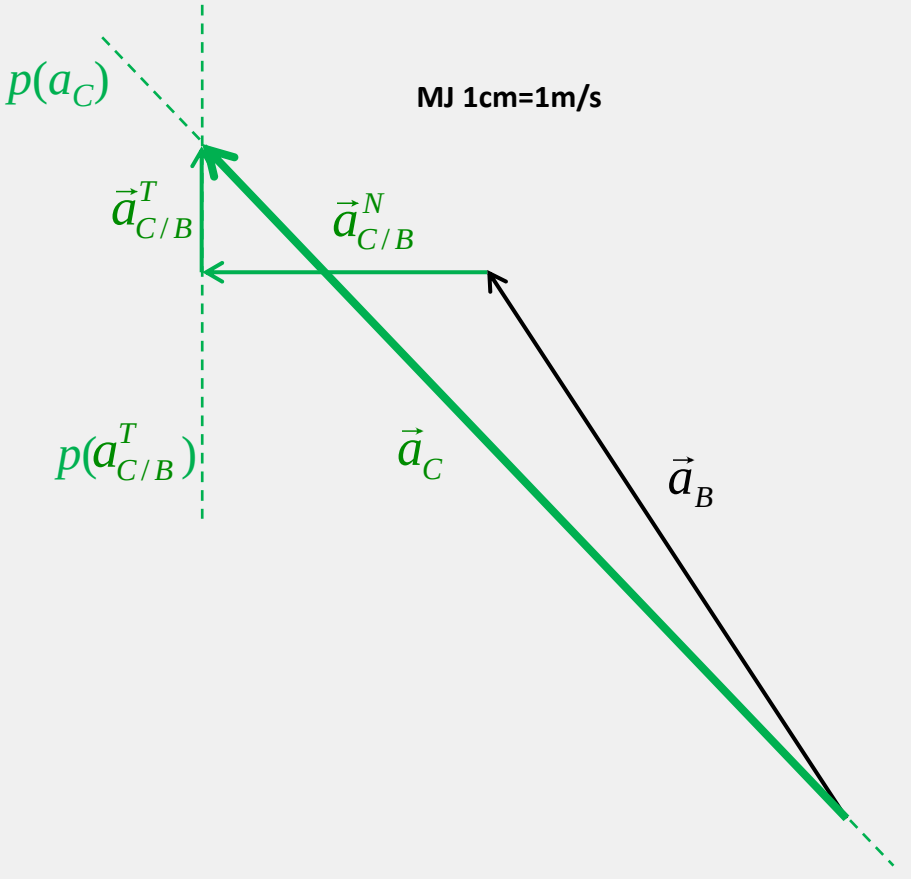


Uvjet spoja tijela

$$\vec{a}_B^{III} = \vec{a}_B = -4\,\vec{i} + 6\,\vec{j}$$

Gibanje tijela III

$$\vec{a}_C = \vec{a}_B + \vec{a}^N_{C/B} + \vec{a}^T_{C/B}$$



$$a^N_{C/B} = \omega^2_{III}\,\overline{BC} = 1^2 \cdot 3 = 3\ m/s^2$$

$$\vec{a}^N_{C/B} = -3\,\vec{i}$$

očitano:

$$a^T_{C/B} = 1\ cm = 1\ m/s^2$$

$$a_C = 9{,}9\ cm = 9{,}9\ m/s^2$$

$$\vec{a}_C = -7\,\vec{i} + 7\,\vec{j}$$

$$\varepsilon_{III} = \frac{a^T_{C/B}}{\overline{CB}} = \frac{1}{3}\ r/s^2 \qquad \vec{\varepsilon}_{III} = \frac{1}{3}\vec{k}$$