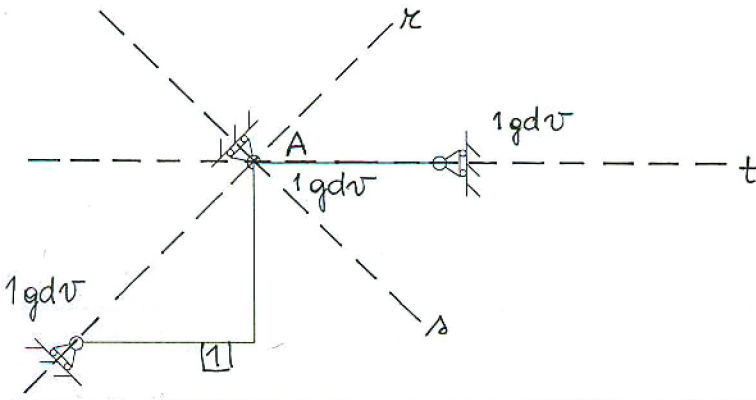


# ESERCIZI DI ANALISI CINEMATICA

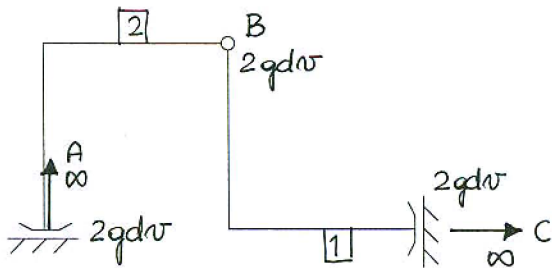
Eseguire l'analisi cinematica delle seguenti strutture. Motivare brevemente la risposta.



GDL = 3 ipostatica  isostatica

GDV = 3 iperstatica  labile

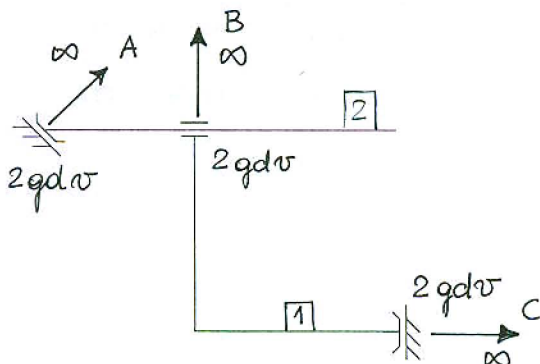
$\kappa \cap \Delta \cap t = A \equiv \text{C.I.R. del CORPO RIGIDO}$



GDL = 6 ipostatica  isostatica

GDV = 6 iperstatica  labile

ARCO A TRE CERNIERE A, B e C NON ALLINEATE.

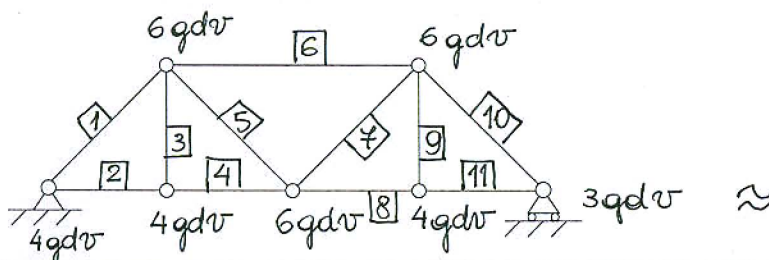


GDL = 6 ipostatica  isostatica

GDV = 6 iperstatica  labile

ARCO A TRE CERNIERE A, B, e C ALLINEATE

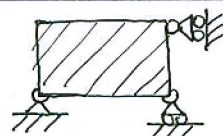
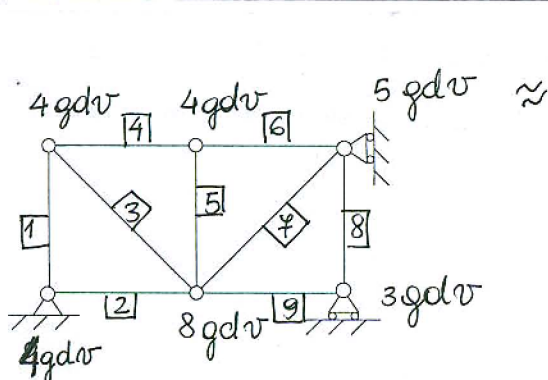
(A, B e C sono punti impropri ed appartengono quindi alla retta impropria)



GDL = 33 ipostatica  isostatica

GDV = 33 iperstatica  labile

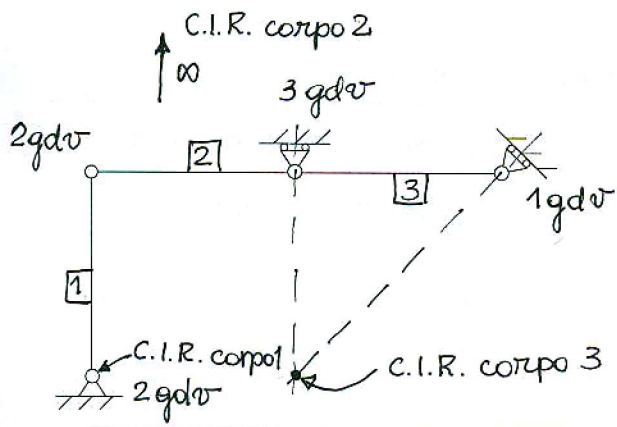
La struttura è costituita da un insieme di ANELLI CHIUSI ISOSTATICI ed è equivalente alla seguente



GDL = 28 ipostatica  isostatica

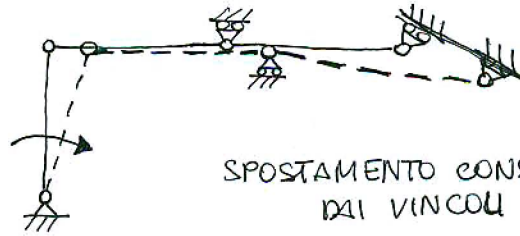
GDV = 28 iperstatica  labile

La struttura è costituita da un insieme di ANELLI CHIUSI ISOSTATICI ricolate tra loro assimilabili ad un solo corpo rigido VINCOLATO A TERRA IPERSTATICAMENTE (come si vede nella struttura equivalente)

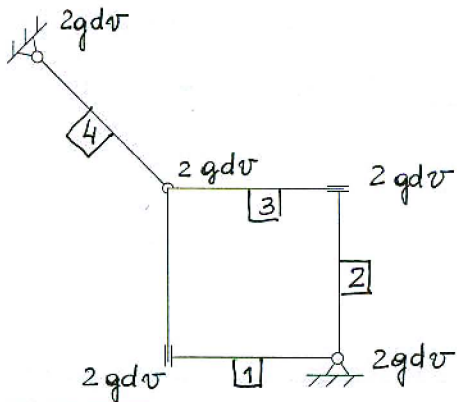


GDL = 9 ipostatica  isostatica

GDV = 8 iperstatica  labile

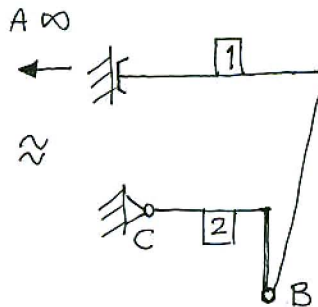
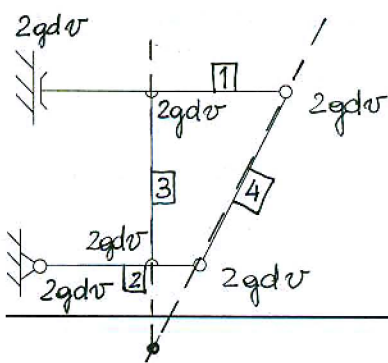
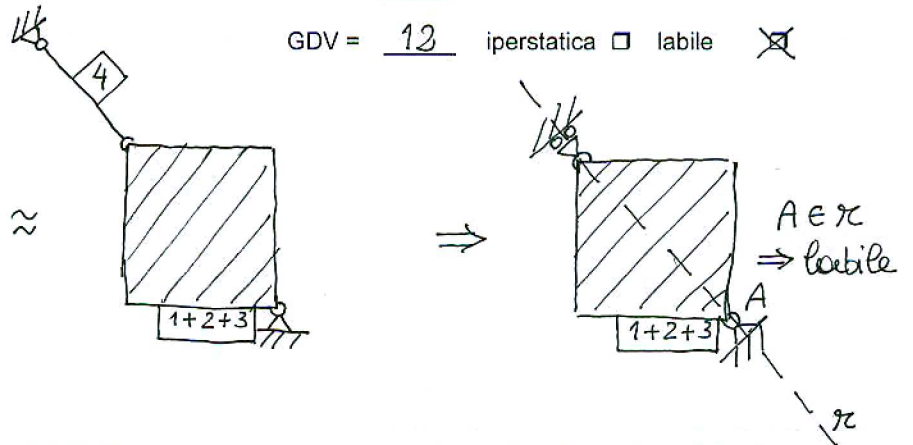


SPOSTAMENTO CONSENTITO  
DAI VINCOLI



GDL = 12 ipostatica  isostatica

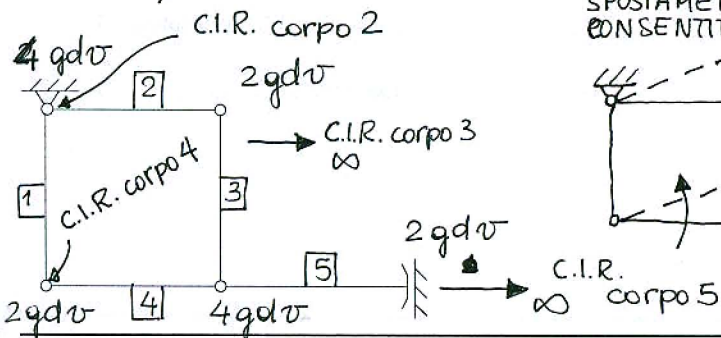
GDV = 12 iperstatica  labile



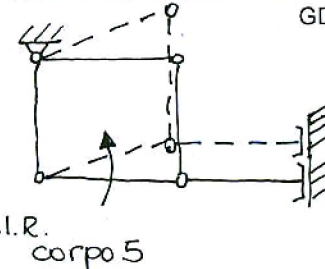
GDL = 12 ipostatica  isostatica

GDV = 12 iperstatica  labile

La struttura è equivalente ad  
un ARCO A TRE CERNIERE A, B e C  
NON ALLINEATE

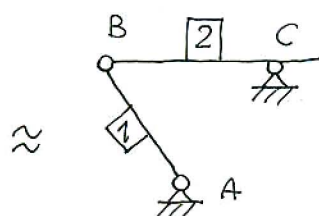
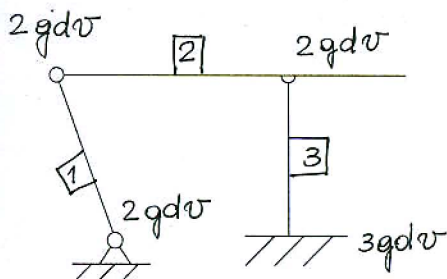


SPOSTAMENTO  
CONSENTITO dai VINCOLI



GDL = 15 ipostatica  isostatica

GDV = 14 iperstatica  labile



GDL = 9 ipostatica  isostatica

GDV = 9 iperstatica  labile

La struttura è equivalente ad  
un ARCO A TRE CERNIERE A, B, C  
NON ALLINEATE