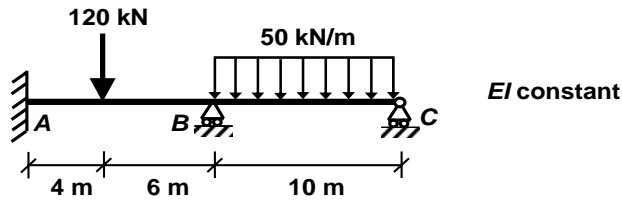


Example:

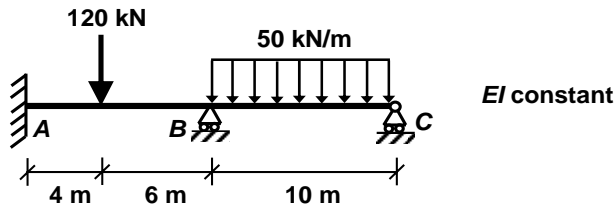
Tactic: release joints one at a time while locking the other one; consider carry-over moments at every step



		AB	BA	BC	CB	
		K	0.4	0.4	0.4	0.4
		ΣK	infinity	0.8	0.8	0.4
		Distribution Factor (DF)	0.0	0.5	0.5	1.0
STEP	ACTION	FEM	-172.8	115.2	-416.7	416.7
Initial	all joints locked	Joint moment imbalance		-301.5		416.7
1	release joint B	Distribution		150.8	150.8	
		Carry-over	75.4			75.4
		Resultant moments	-97.4	266.0	-266.0	492.1
2	lock joint B; release joint C	Joint moment imbalance		0.0		492.1
		Distribution				-492.1
		Carry-over			-246.0	
		Resultant moments	-97.4	266.0	-512.0	0.0
3	lock joint C; release joint B	Joint moment imbalance		-246.0		0.0
		Distribution		123.0	123.0	
		Carry-over	61.5			61.5
		Resultant moments	-35.9	389.0	-389.0	61.5
4	lock joint B; release joint C	Joint moment imbalance		0.0		61.5
		Distribution				-61.5
		Carry-over			-30.8	
		Resultant moments	-35.9	389.0	-419.7	0.0
5	lock joint C; release joint B	Joint moment imbalance		-30.8		0.0
		Distribution		15.4	15.4	
		Carry-over	7.7			7.7
		Resultant moments	-28.2	404.3	-404.3	7.7
6	lock joint B; release joint C	Joint moment imbalance		0.0		7.7
		Distribution				-7.7
		Carry-over			-3.8	
		Resultant moments	-28.2	404.3	-408.2	0.0
7	lock joint C; release joint B	Joint moment imbalance		-3.8		0.0
		Distribution		1.9	1.9	
		Carry-over	1.0			1.0
		Resultant moments	-27.3	406.3	-406.3	1.0
8	lock joint B; release joint C	Joint moment imbalance		0.0		1.0
		Distribution				-1.0
		Carry-over			-0.5	
		Resultant moments	-27.3	406.3	-406.7	0.0
9	lock joint C; release joint B	Joint moment imbalance		-0.5		0.0
		Distribution		0.2	0.2	
		Carry-over	0.1			0.1
		Resultant moments	-27.1	406.5	-406.5	0.1
10	lock joint B; release joint C	Joint moment imbalance		0.0		0.1
		Distribution				-0.1
		Carry-over			-0.1	
		Resultant moments	-27.1	406.5	-406.6	0.0

Example:

Tactic: joints released and locked simultaneously, but carry-over moments considered after imbalance distribution



		AB	BA	BC	CB
	K	0.4	0.4	0.4	0.4
	ΣK	infinity		0.8	0.4
	D.F.	0.0	0.5	0.5	1.0
ACTION					
all joints locked	FEM	-172.8	115.2	-416.7	416.7
release joint B, release joint C	Imbalance		-301.5		416.7
	Distribution		150.8	150.8	-416.7
	Carry-over	75.4		-208.4	75.4
	Resultant moments	-97.4	266.0	-474.3	75.4
release joint B, release joint C	Imbalance		-208.4		75.4
	Distribution		104.2	104.2	-75.4
	Carry-over	52.1		-37.7	52.1
	Resultant moments	-45.3	370.1	-407.8	52.1
release joint B, release joint C	Imbalance		-37.7		52.1
	Distribution		18.8	18.8	-52.1
	Carry-over	9.4		-26.0	9.4
	Resultant moments	-35.9	389.0	-415.0	9.4
release joint B, release joint C	Imbalance		-26.0		9.4
	Distribution		13.0	13.0	-9.4
	Carry-over	6.5		-4.7	6.5
	Resultant moments	-29.4	402.0	-406.7	6.5
release joint B, release joint C	Imbalance		-4.7		6.5
	Distribution		2.4	2.4	-6.5
	Carry-over	1.2		-3.3	1.2
	Resultant moments	-28.2	404.3	-407.6	1.2
release joint B, release joint C	Imbalance		-3.3		1.2
	Distribution		1.6	1.6	-1.2
	Carry-over	0.8		-0.6	0.8
	Resultant moments	-27.4	406.0	-406.6	0.8
release joint B, release joint C	Imbalance		-0.6		0.8
	Distribution		0.3	0.3	-0.8
	Carry-over	0.1		-0.4	0.1
	Resultant moments	-27.3	406.3	-406.7	0.1
release joint B, release joint C	Imbalance		-0.4		0.1
	Distribution		0.2	0.2	-0.1
	Carry-over	0.1		-0.1	0.1
	Resultant moments	-27.2	406.5	-406.5	0.1