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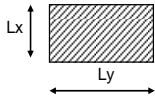
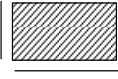


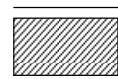




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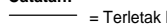
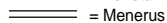
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Lampiran

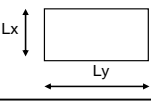

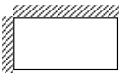

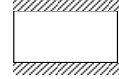
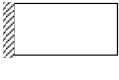



Tabel 1. Momen pelat persegi akibat beban merata kondisi tumpuan bebas dan menerus atau terjepit elastis

Momen Pelat Persegi akibat beban merata (PBI 71)


Kondisi Pelat	Nilai Momen Pelat	Perbandingan Ly/Lx																
		1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	> 2,5
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	44	52	59	66	73	78	84	88	93	97	100	103	106	108	110	112	125
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	44	45	45	44	44	43	41	40	39	38	37	36	35	34	32	32	25
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	36	42	46	50	53	56	58	59	60	61	62	62	63	63	63	63	63
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	36	42	46	50	53	56	58	59	60	61	62	62	62	63	63	63	63
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	36	37	38	38	38	37	36	36	35	35	35	34	34	34	34	34	13
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	36	37	38	38	38	37	36	36	35	35	35	34	34	34	34	34	38
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	48	55	61	67	71	76	79	82	84	86	88	89	90	91	92	92	94
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	48	55	61	67	71	76	79	82	84	86	88	89	90	91	92	92	94
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	48	50	51	51	51	51	51	50	50	49	49	49	48	48	47	47	19
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	48	50	51	51	51	51	51	50	50	49	49	49	48	48	47	47	56
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	22	28	34	41	48	55	62	68	74	80	85	89	93	97	100	103	125
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	51	57	62	67	70	73	75	77	78	79	79	79	79	79	79	79	25
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	51	57	62	67	70	73	75	77	78	79	79	79	79	79	79	79	75
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	51	54	57	59	60	61	62	62	63	63	63	63	63	63	63	63	63
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	51	54	57	59	60	61	62	62	63	63	63	63	63	63	63	63	63
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	22	20	18	17	15	14	13	12	11	10	10	10	9	9	9	9	13
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	31	38	45	53	59	66	72	78	83	88	92	96	99	102	105	108	125
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	60	65	69	73	75	77	78	79	79	80	80	80	79	79	79	79	25
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	60	65	69	73	75	77	78	79	79	80	80	80	79	79	79	79	75
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	60	66	71	76	79	82	85	87	88	89	90	91	91	92	92	93	94
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	60	66	71	76	79	82	85	87	88	89	90	91	91	92	92	93	94
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	31	30	28	27	25	24	22	21	20	19	18	17	17	16	16	15	12
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	38	46	53	59	65	69	73	77	80	83	85	86	87	88	89	90	54
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	38	46	53	59	65	69	73	77	80	83	85	86	87	88	89	90	54
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	43	46	48	50	51	51	51	51	50	50	50	49	49	48	48	48	19
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	43	46	48	50	51	51	51	51	50	50	50	49	49	48	48	48	56
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	13	48	51	55	57	58	60	61	62	62	62	63	63	63	63	63	63
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	13	48	51	55	57	58	60	61	62	62	62	63	63	63	63	63	63
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	38	39	38	38	37	36	36	35	35	34	34	34	33	33	33	33	13
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	38	39	38	38	37	36	36	35	35	34	34	34	33	33	33	33	38


Catatan:
 = Terletak bebas
 = Menerus atau terjepit elastis

Momen Pelat persegi akibat beban merata (PBI 71)

Kondisi Pelat	Nilai Momen Pelat	Perbandingan Ly/Lx																
		1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	> 2,5
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	44	52	59	66	73	78	84	88	93	97	100	103	106	108	110	112	125
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	44	45	45	44	44	43	41	40	39	38	37	36	35	34	32	32	25
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	52	59	64	69	73	76	79	81	82	83	83	83	83	83	83	83	83
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	21	25	28	31	34	36	37	38	40	40	41	41	41	42	42	42	42
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	21	21	20	19	18	17	16	14	13	12	12	11	11	11	10	10	8
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	52	54	56	57	57	57	57	57	57	57	57	57	57	57	57	57	57
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	68	77	85	92	98	103	107	111	113	116	118	119	120	121	122	122	125
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	28	33	38	42	45	48	51	53	55	57	58	59	59	60	61	61	63
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	28	28	28	27	26	25	23	23	22	21	19	18	17	17	16	16	43
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	68	72	74	76	77	77	78	78	78	78	79	79	79	79	79	79	79
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	22	28	34	42	49	55	62	68	74	80	85	89	93	97	100	103	125
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	32	35	37	39	40	41	41	41	41	40	39	38	37	36	35	35	25
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	70	79	87	94	100	105	109	112	115	117	119	120	121	122	123	123	125
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	70	74	77	79	81	82	83	84	84	84	84	84	83	83	83	83	83
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	32	34	36	38	39	40	41	41	42	42	42	42	42	42	42	42	42
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	22	20	18	17	15	14	13	12	11	10	10	10	9	9	9	9	8
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	31	38	45	53	60	66	72	78	83	88	92	96	99	102	105	108	125
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	37	39	41	41	42	42	41	41	40	39	38	37	36	35	34	33	25
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	84	92	99	104	109	112	115	117	119	121	122	122	123	123	124	124	125
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	84	92	98	103	108	111	114	117	119	120	121	122	122	123	123	124	125
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	37	41	45	48	51	53	55	56	56	59	60	60	60	61	61	62	63
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	31	30	28	27	25	24	22	21	20	19	18	17	17	16	16	15	13
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	55	65	74	82	89	94	99	103	106	110	114	116	117	118	119	120	125
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	21	26	31	36	40	43	46	49	51	53	55	56	57	58	59	60	63
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	26	27	28	28	27	26	25	23	22	21	21	20	20	19	19	18	13
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	60	65	69	72	74	76	77	78	78	78	78	78	78	78	78	79	79
	$M_{tx} = -0.001 \cdot q \cdot Lx^2 \cdot x$	60	66	71	74	77	79	80	82	83	83	83	83	83	83	83	83	83
	$M_{lx} = 0.001 \cdot q \cdot Lx^2 \cdot x$	26	29	32	35	36	38	39	40	40	41	41	42	42	42	42	42	42
	$M_{ly} = 0.001 \cdot q \cdot Lx^2 \cdot x$	21	20	19	18	17	15	14	13	12	12	11	11	10	10	10	10	8
	$M_{ty} = -0.001 \cdot q \cdot Lx^2 \cdot x$	55	57	57	57	58	57	57	57	57	57	57	57	57	57	57	57	57

Catatan:

 = Terletak bebas

 = Terjepit penuh