

The screenshot displays a software interface for defining beam loads. The top window, titled "Beam - Load Pattern : Beam1", shows a beam with a uniform distributed load represented by blue arrows pointing downwards. The beam is supported by four triangular supports, with span lengths of 1.20, 3.90, 3.90, 3.90, and 1.20 meters. The bottom window, titled "Beam - Loads : Beam1", contains a table of load cases and a detailed configuration panel for a distributed load.

Case number	Distributed load	Nature	List	Position	Load fa
1	self-weight	dead load			1.50
2	uniform	dead load	1to5	upper	1.50
3	uniform	live load	1to5	upper	1.80
*					

Case number	Concentrated load	Nature	List	Position	Load fa
*					

The "Distributed loads: (new)" panel includes the following settings:

- Case number: 4
- Spans: 1to5
- Nature: live load
- Load category: distributed
- Coordinates (m): x1 = 0.00, x2 = 0.00, x3 = 0.00, x4 = 0.00
- Dimension chain: p1 = 4.00, p2 = 0.00, p3 = 0.00
- Q1/Q = 1.00
- Load factor = 1.60
- Suspended

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بعد ذلك نجري عملية التحليل عن طريق الأمر **Start Calculations** ونستخرج مخططات القوى وننتقل إلى عملية التصميم بإتباعنا لنفس الخطوات المتبعة في دراسة الجائز السابق .

The End