= 0·66 = 0·01

SHEER FORCE

SF @ A = 0

SF @ JTR A = −750N

SF @ B = −750

SF @ C = −750

SF @ JTR C = −750 + 2179 = 1429

SF @ D = −750 + 2179 = 1429

SF @ H = −750 + 2179 − 2000 = 571

SF @ JTR H = −750 + 2179 − 2000 − 1000 = −1571

SF @ JTR J = −750 + 2179 − 2000 − 1000 + 3071 = 1500

SF @ JTR K = −750 + 2179 − 2000 − 1000 + 3071 − 1500 = 0

BENDING MOMENTS

ANSWERS WORKING LEFT TO RIGHT

ANSWERS WORKING FROM RIGHT TO LEFT

BM @ A = 0 = −3

BM @ B = −750N × 1 = −750 = −753

BM @ C = −750 × 2 = −1500 = −1503

BM @ D = −750 × 3 + 2179 × 1N = −71 = −74

BM @ E = −750 × 4 + 2179 × 2 − 500 × 1 × ½ = 1108 = 1105

BM @ F = −750 × 5 + 2179 × 3 − 500 × 2 × 1 = 1787 = 1784

BM @ G = −750 × 6 + 2179 × 4 − 500 × 3 × 1·5 = 1966 = 1963

BM @ H = −750 × 7 + 2179 × 5 − 500 × 4 × 2 = 1645 = 1642

BM @ I = −756 × 8 + 2179 × 6 − 500 × 4 × 3 − 1000 × 1 = 74 = 71

BM @ J = −750 × 9 + 2179 × 7 − 500 × 4 × 4 − 1000 × 2 = −1497 = −1500

BM @ K = −750 × 10 + 2179 × 8 − 500 × 4 × 5 − 1000 × 3 + 3071 × 1 = 3