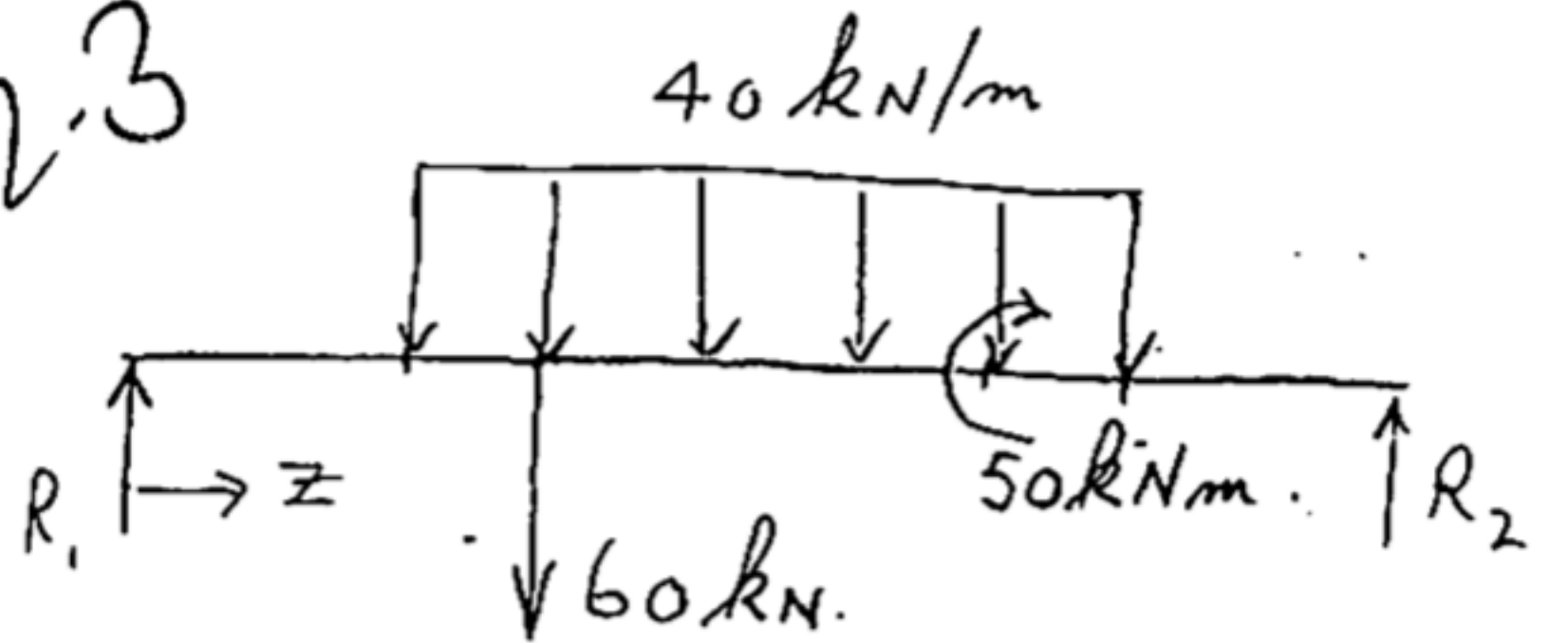
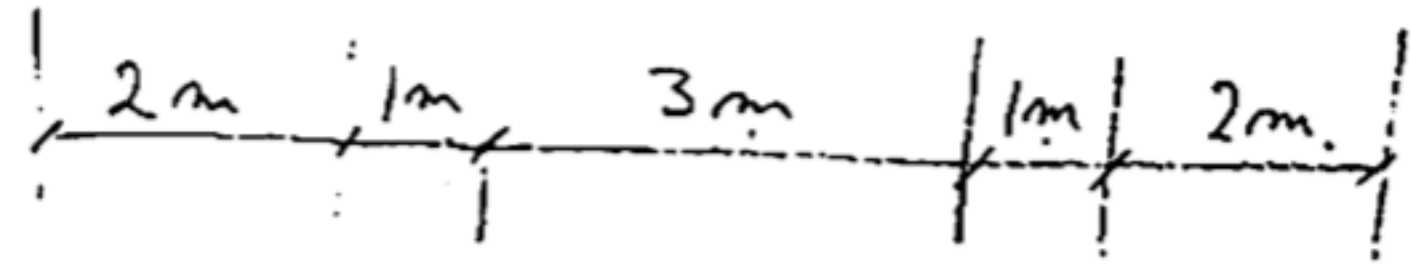


2.3



$$w = 40\langle x-2 \rangle^0 - 40\langle x-7 \rangle^0$$



$$\int w dx$$

$$S = R_1 - 60\langle x-3 \rangle^0 - 40\langle x-2 \rangle + 40\langle x-7 \rangle + A$$

When  $x = 0$   $= R_1 \Rightarrow A = 0$

$x = 9$   $= -R_2 = R_1 - 60 - 40 \times 7 + 40 \times 2$

$$\Rightarrow R_1 + R_2 = 260 \text{ kN} \dots \text{--- (1)}$$