

Live loads are applied to members  $ab$ ,  $bc$  and  $cd$  in the following structure. These members are not continuous from  $a$  to  $d$ , but rather are simply supported in each span. Determine influence lines for:

- (i) vertical reaction at  $e$ .
- (ii) shear force at point  $g$ .
- (iii) bending moment at point  $h$ .
- (iv) shear force at point  $i$ .

