

**Paper Reference 8FM0–27
Pearson Edexcel
Level 3 GCE**

**Further Mathematics
Advanced Subsidiary
Further Mathematics options
27: Decision Mathematics 1
(Part of options D, F, H and K)**

Thursday 17 May 2018 – Afternoon

Diagram Book

**In the boxes below, write your name,
centre number and candidate number.**

Surname					
Other names					
Centre Number					
Candidate Number					

V60208A

INSTRUCTIONS

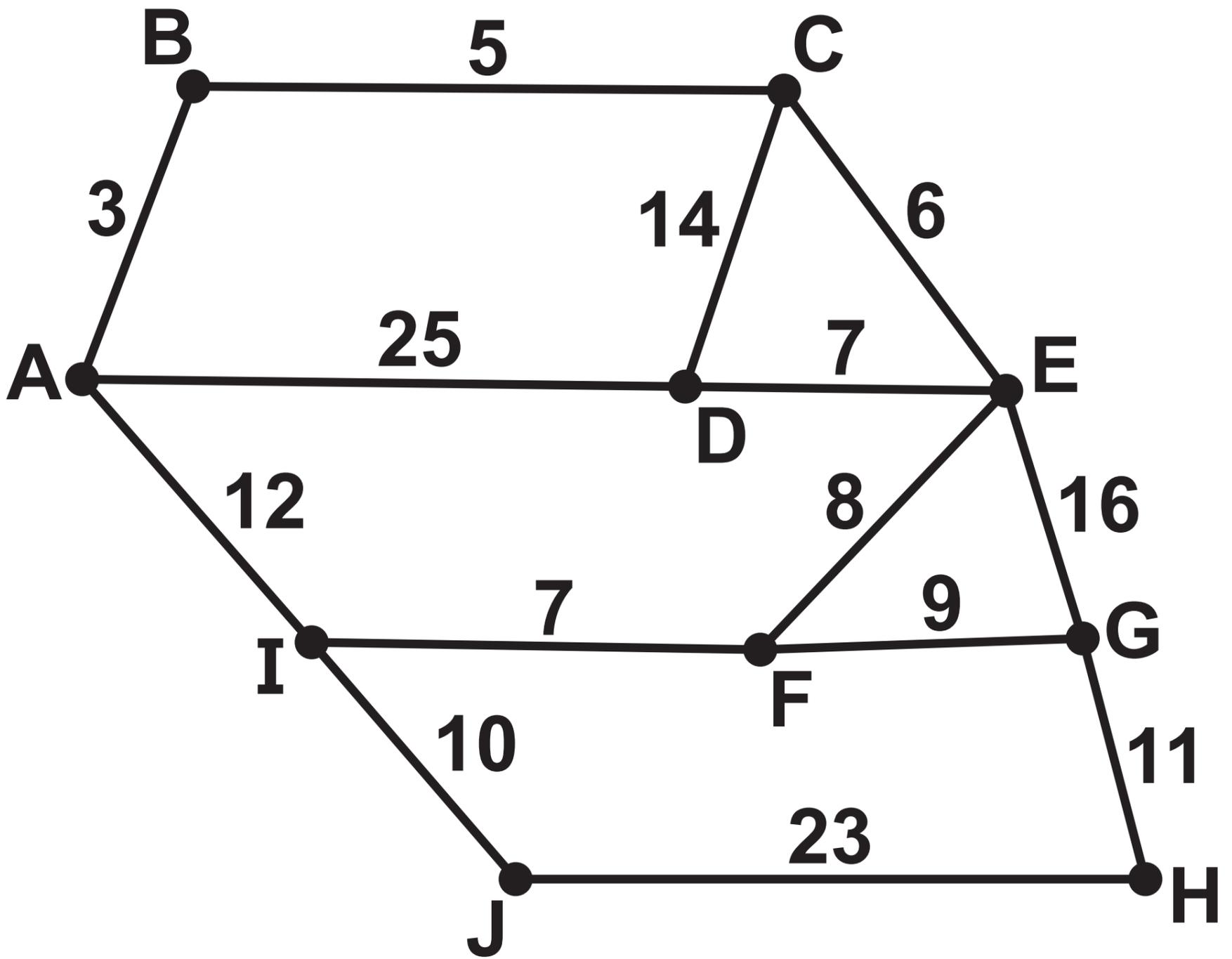
There are two copies of all diagrams in case you need them.

THIS DIAGRAM BOOK MUST BE RETURNED WITH THE ANSWER BOOK AT THE END OF THE EXAMINATION.

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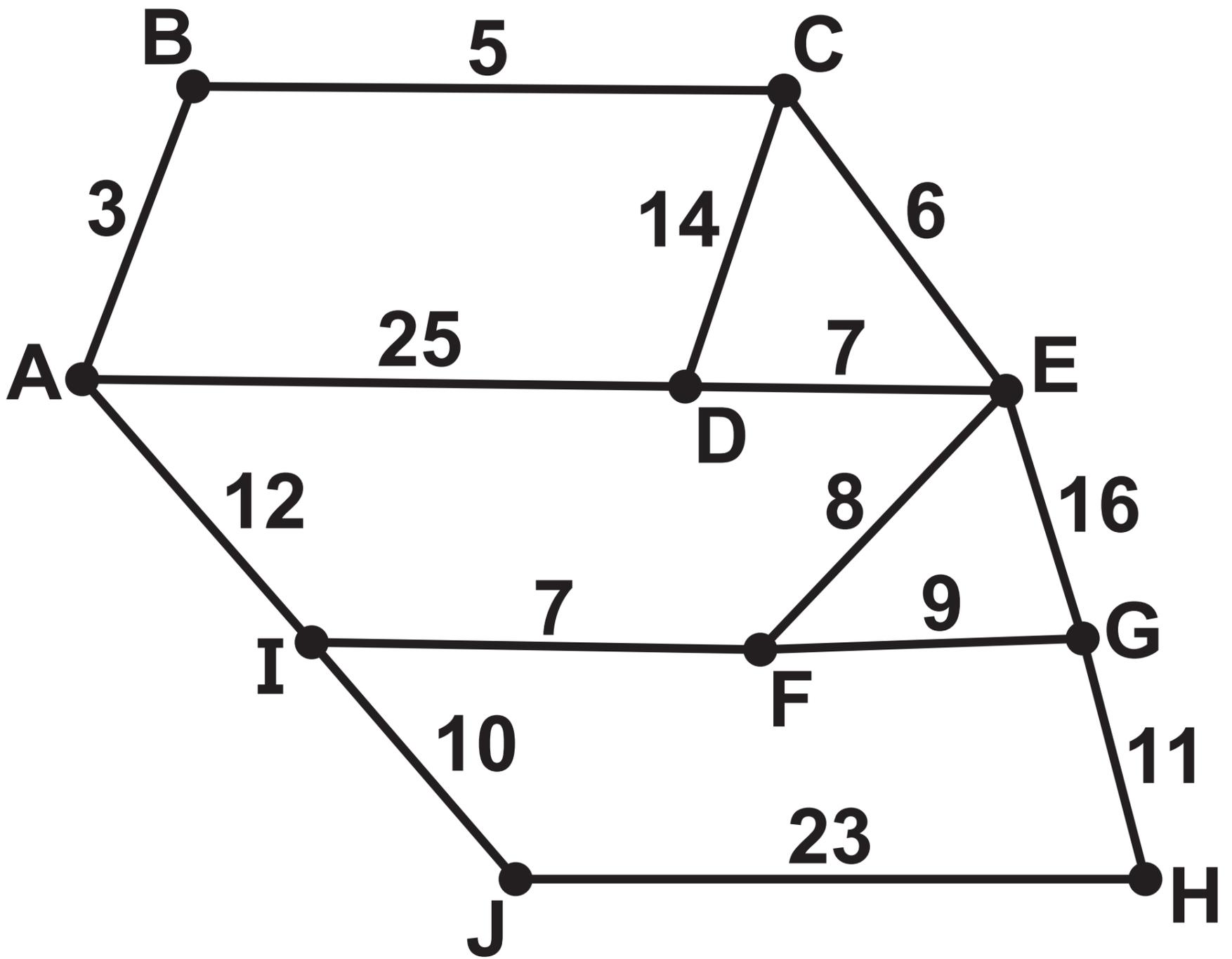
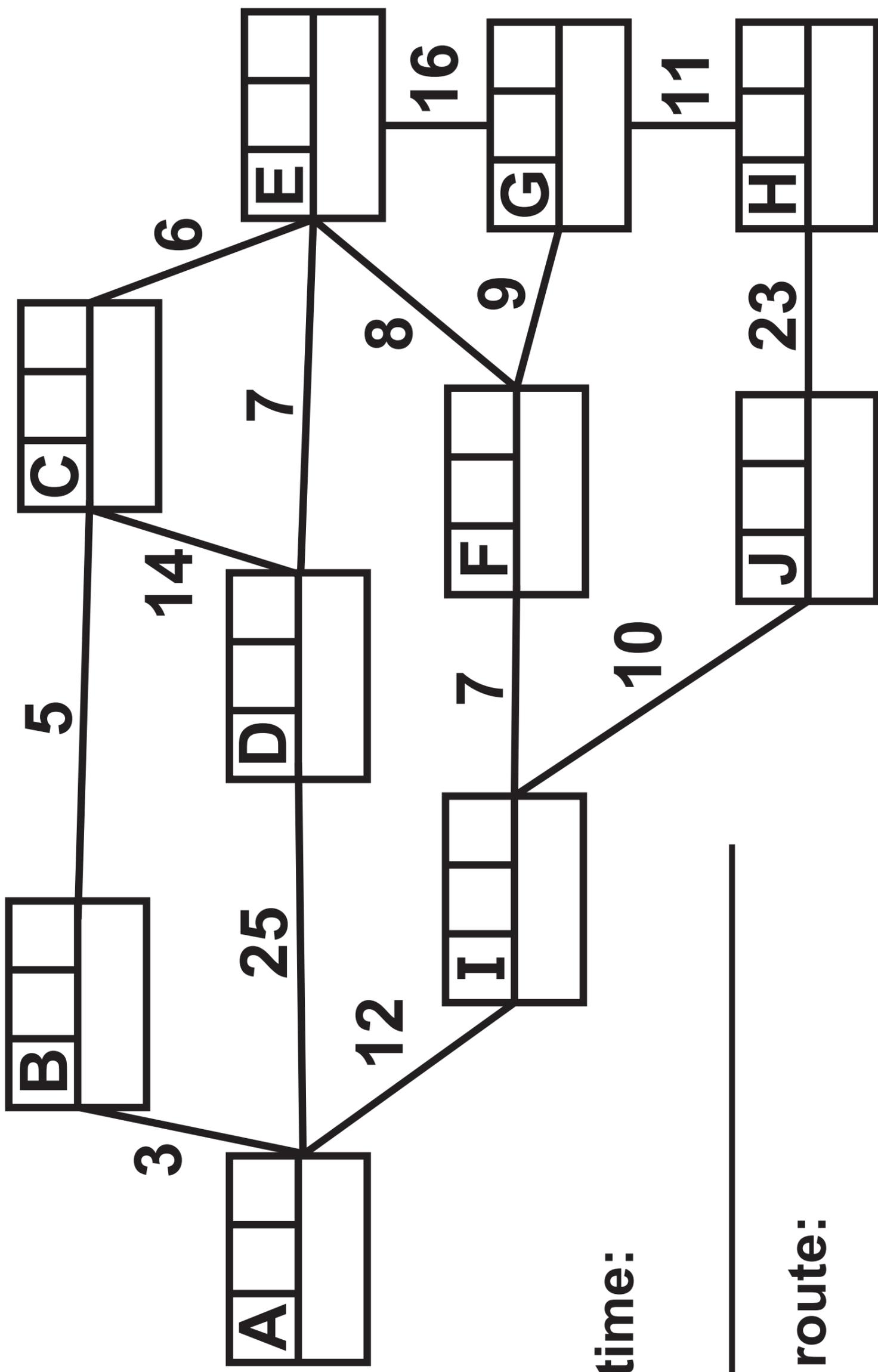


Diagram 2 – Key

Key:

Vertex	Order of labelling	Final value
Working values		

Diagram 2



Shortest time:

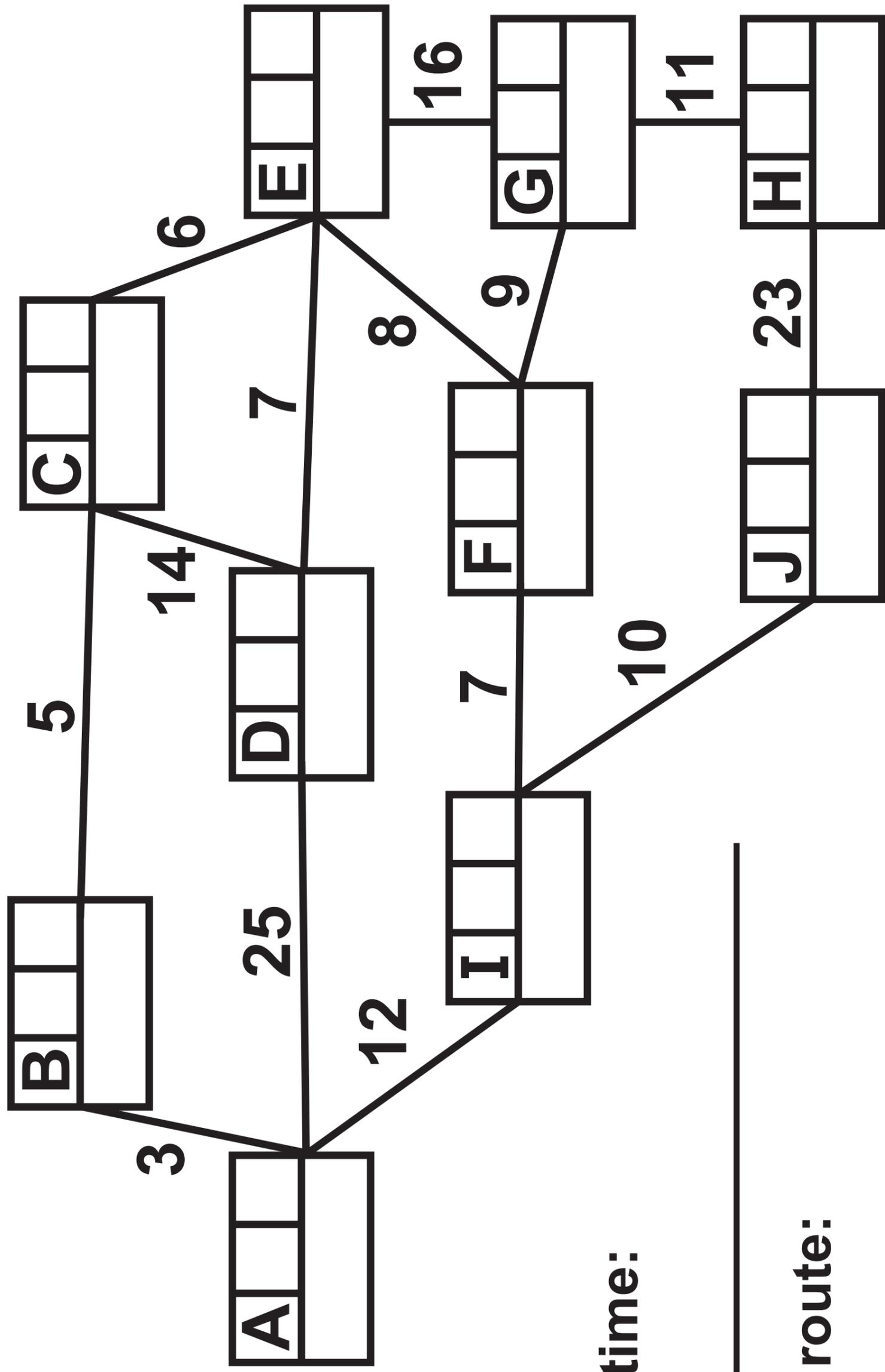
Quickest route:

Diagram 2 – Key

Key:

Vertex	Order of labelling	Final value
Working values		

Diagram 2



Shortest time:

Quickest route:

Table 1

Activity	Time taken (days)	Immediately preceding activities
A	5	-
B	8	-
C	4	-
D	14	A
E	10	A
F	3	B, C, E
G	7	C
H	5	D, F, G
I	7	H
J	9	H

Table 1

Activity	Time taken (days)	Immediately preceding activities
A	5	-
B	8	-
C	4	-
D	14	A
E	10	A
F	3	B, C, E
G	7	C
H	5	D, F, G
I	7	H
J	9	H

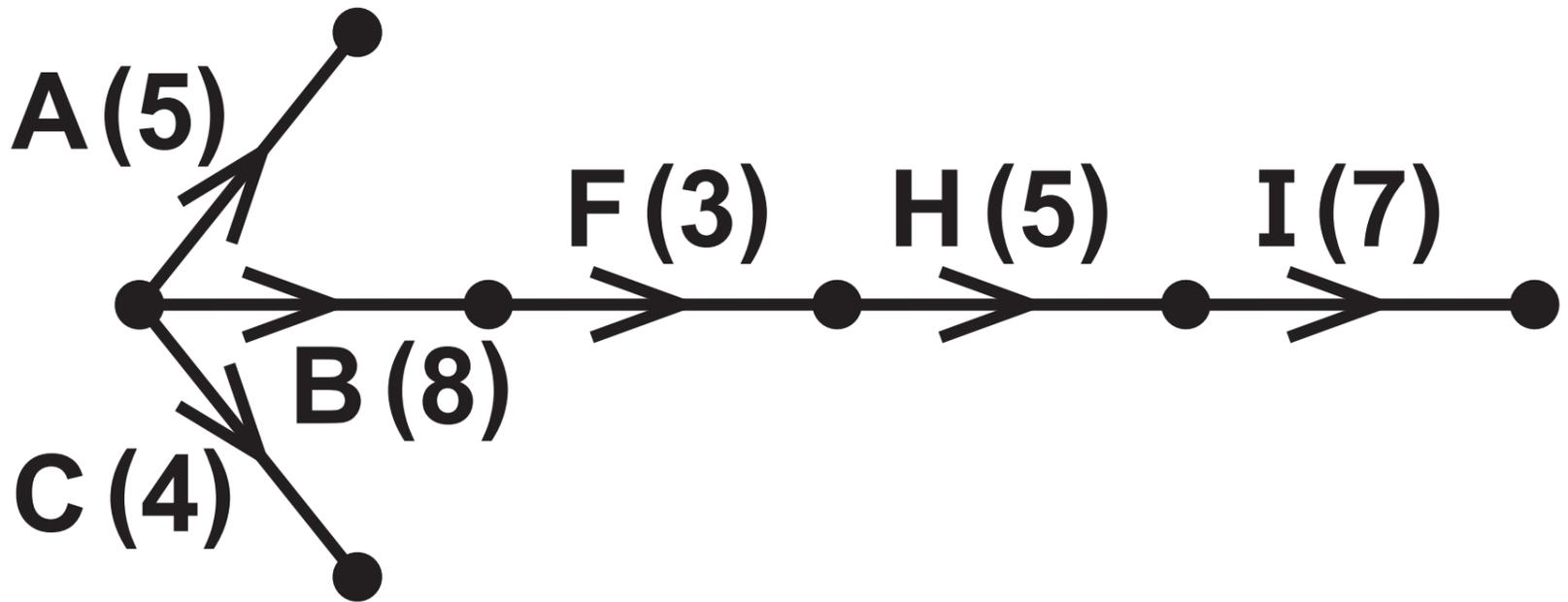


Diagram 3

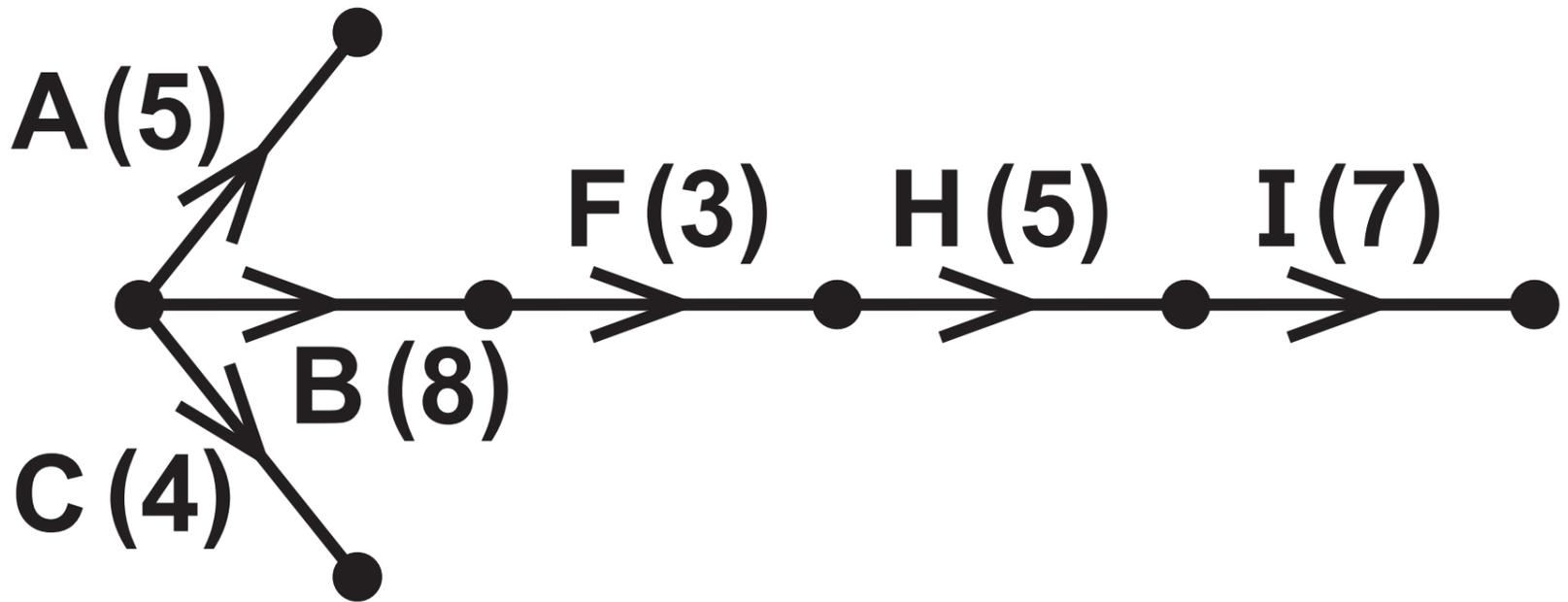


Diagram 4

Key:

Early event time
Late event time

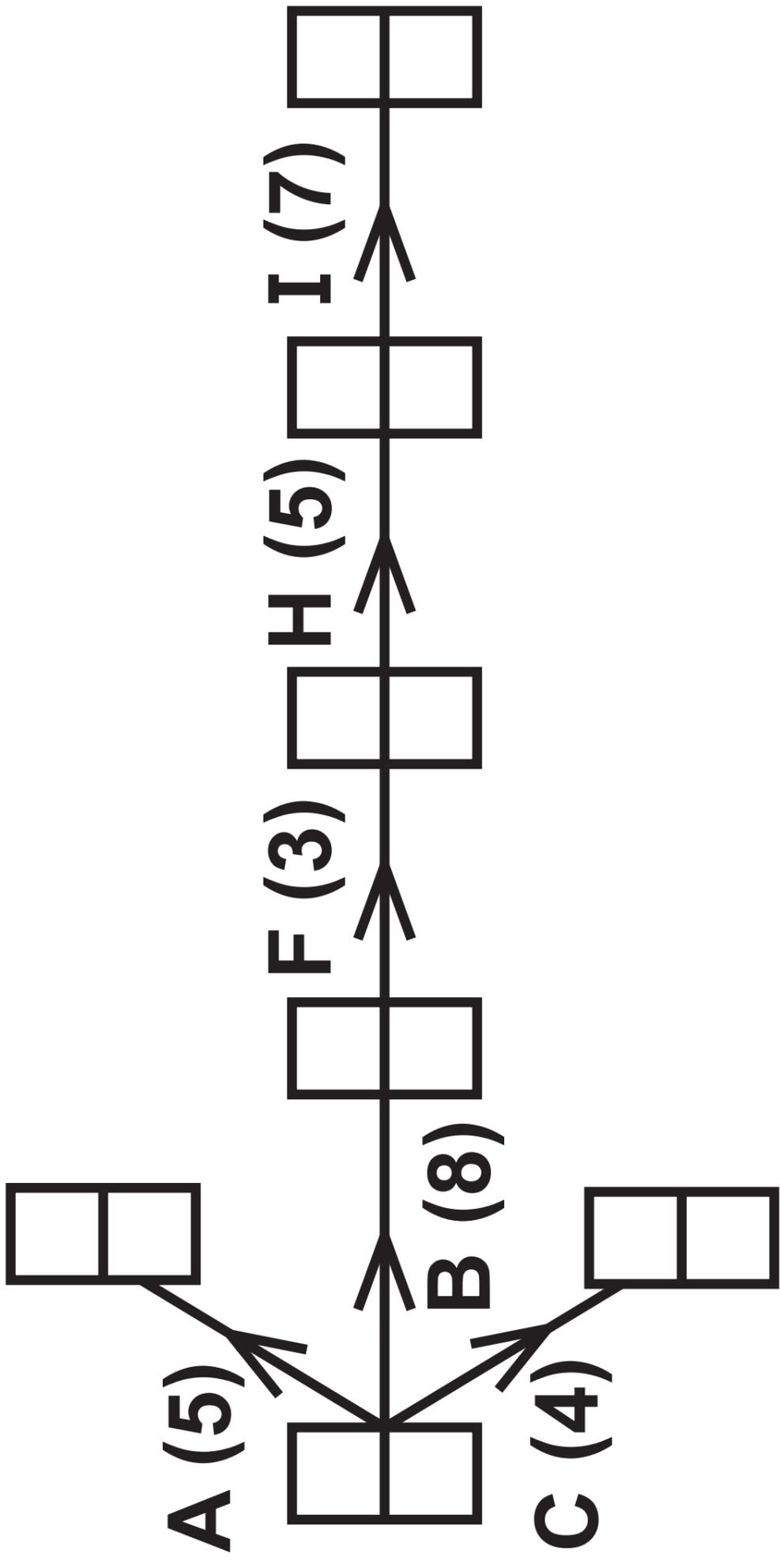


Diagram 4

Key:

Early event time
Late event time

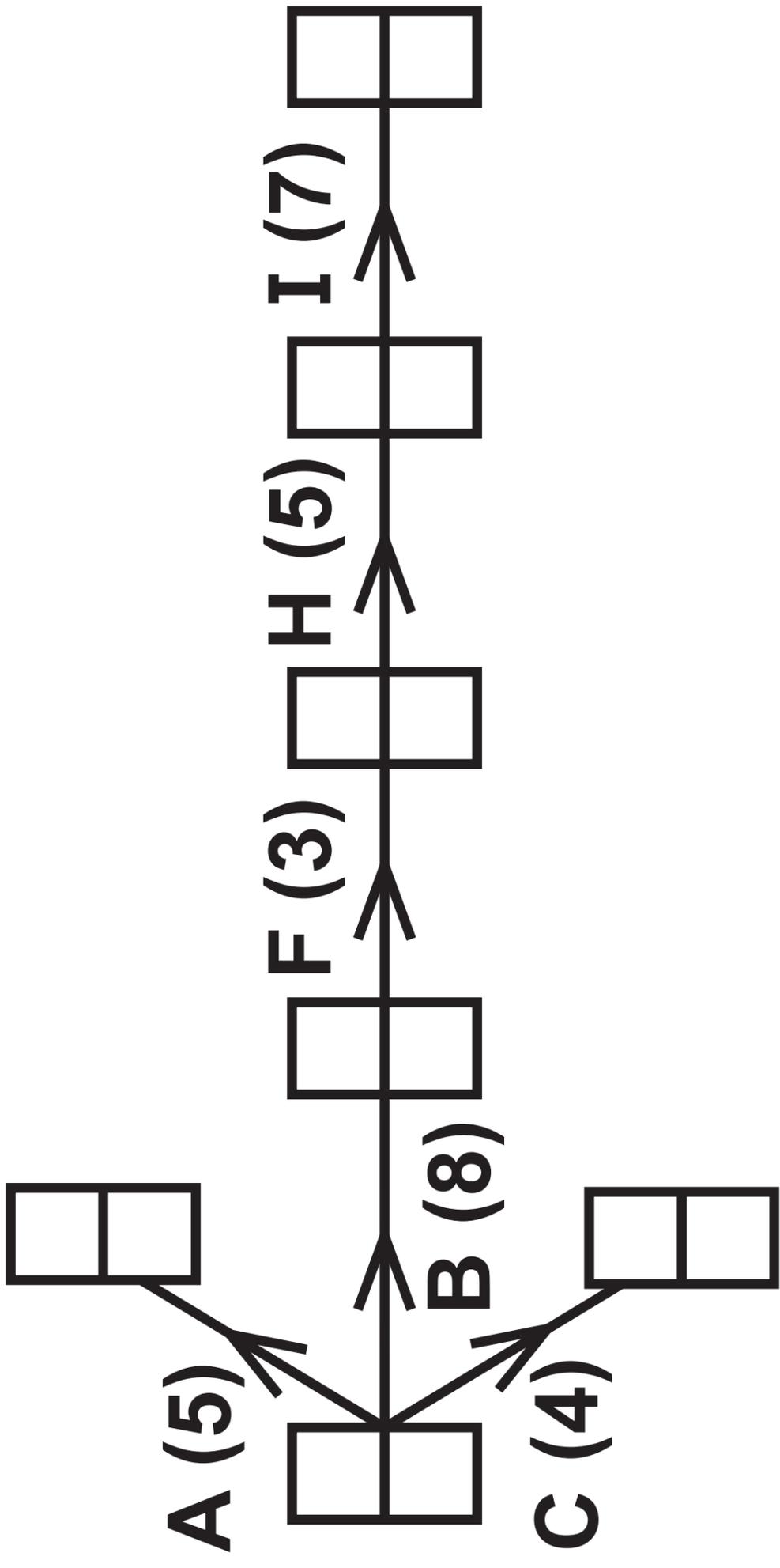


Diagram 5

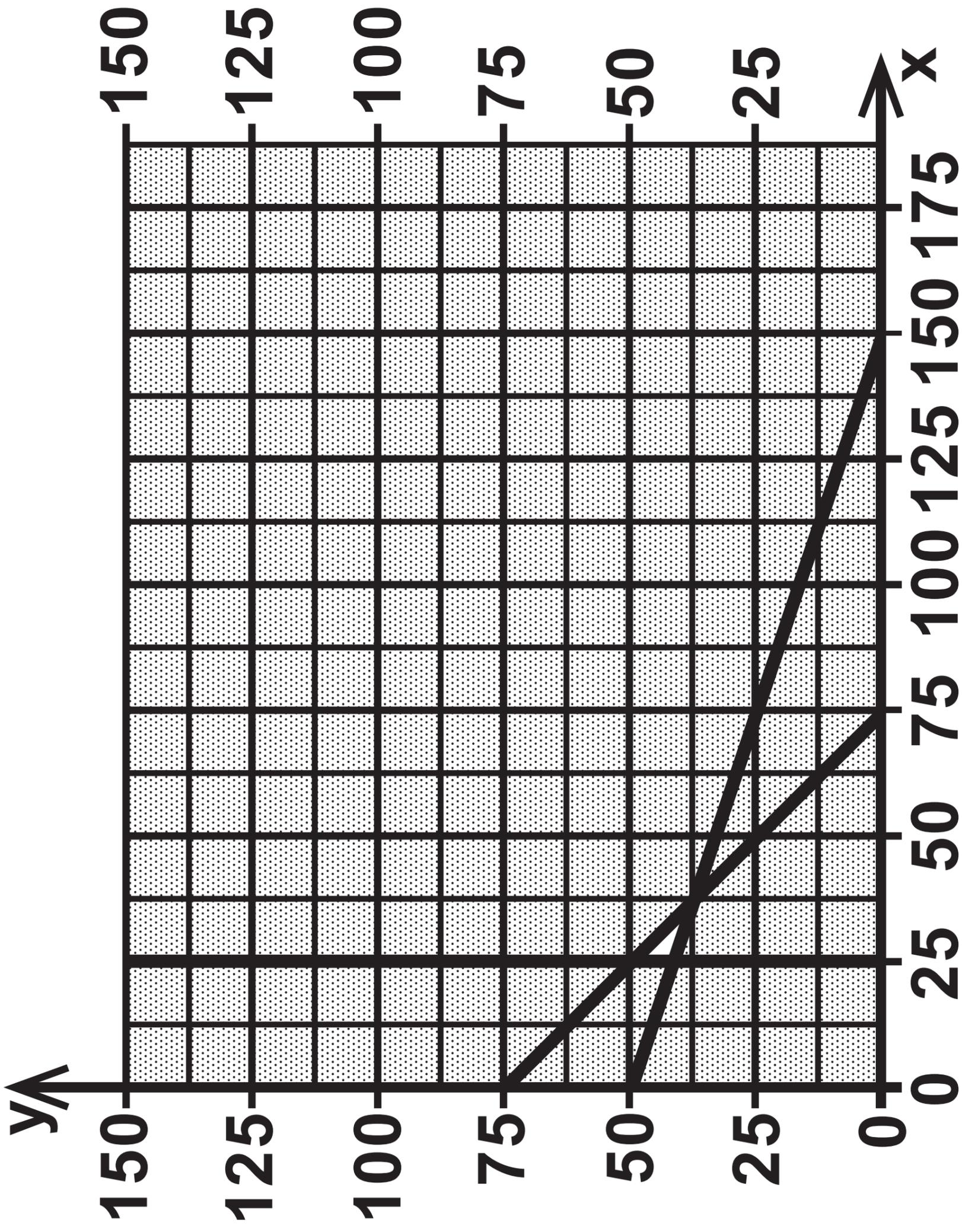


Diagram 5

