

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					

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 1

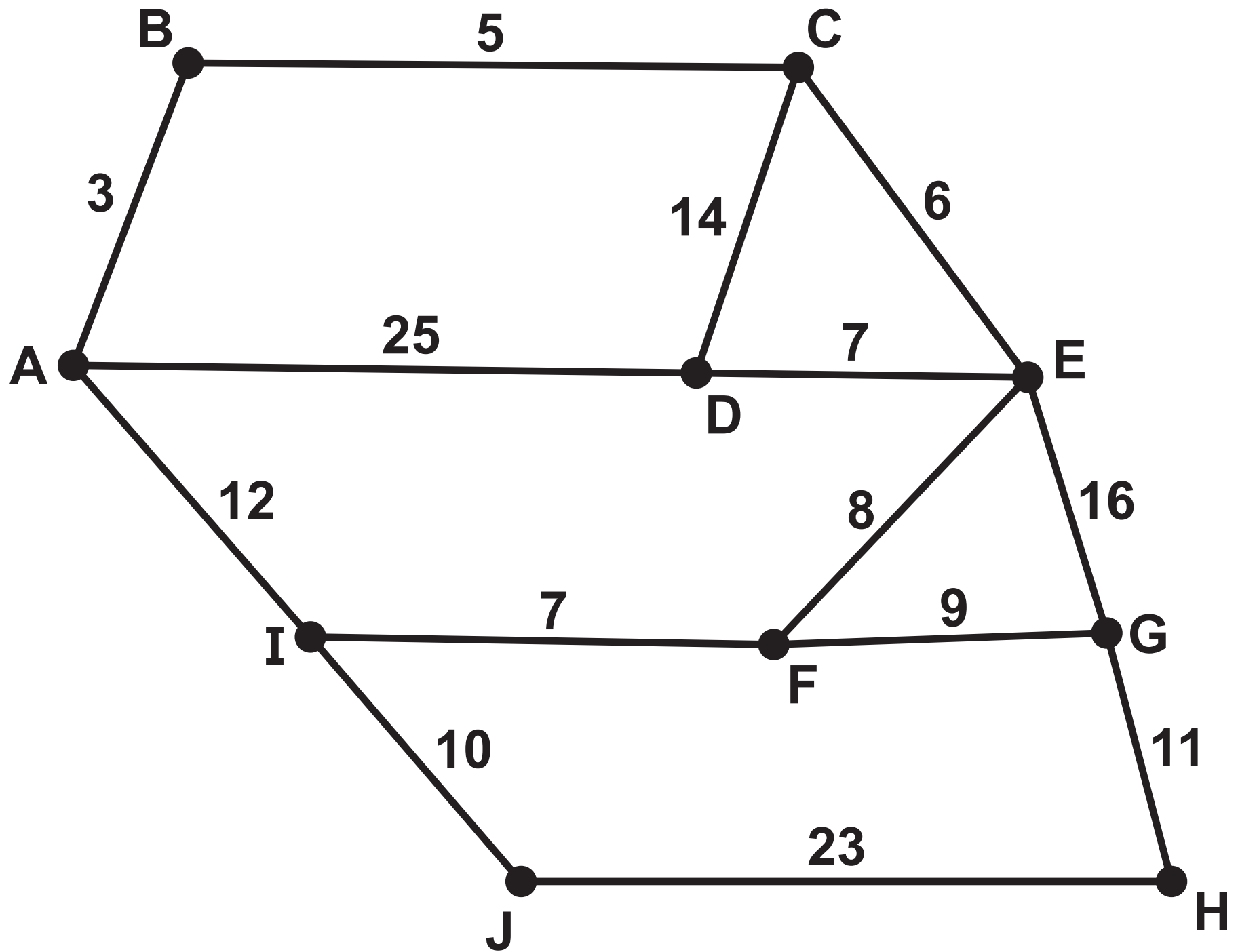


Diagram 1

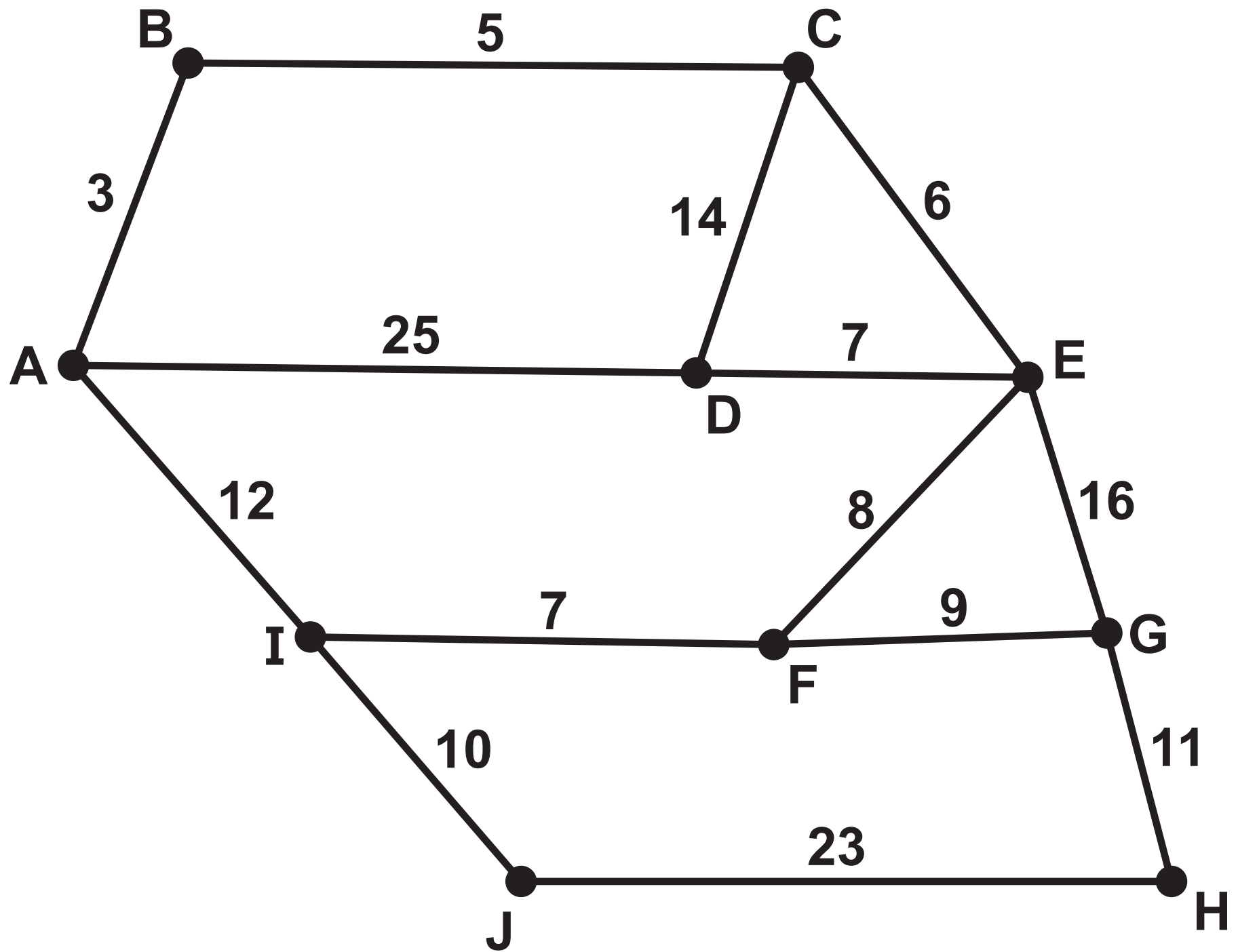
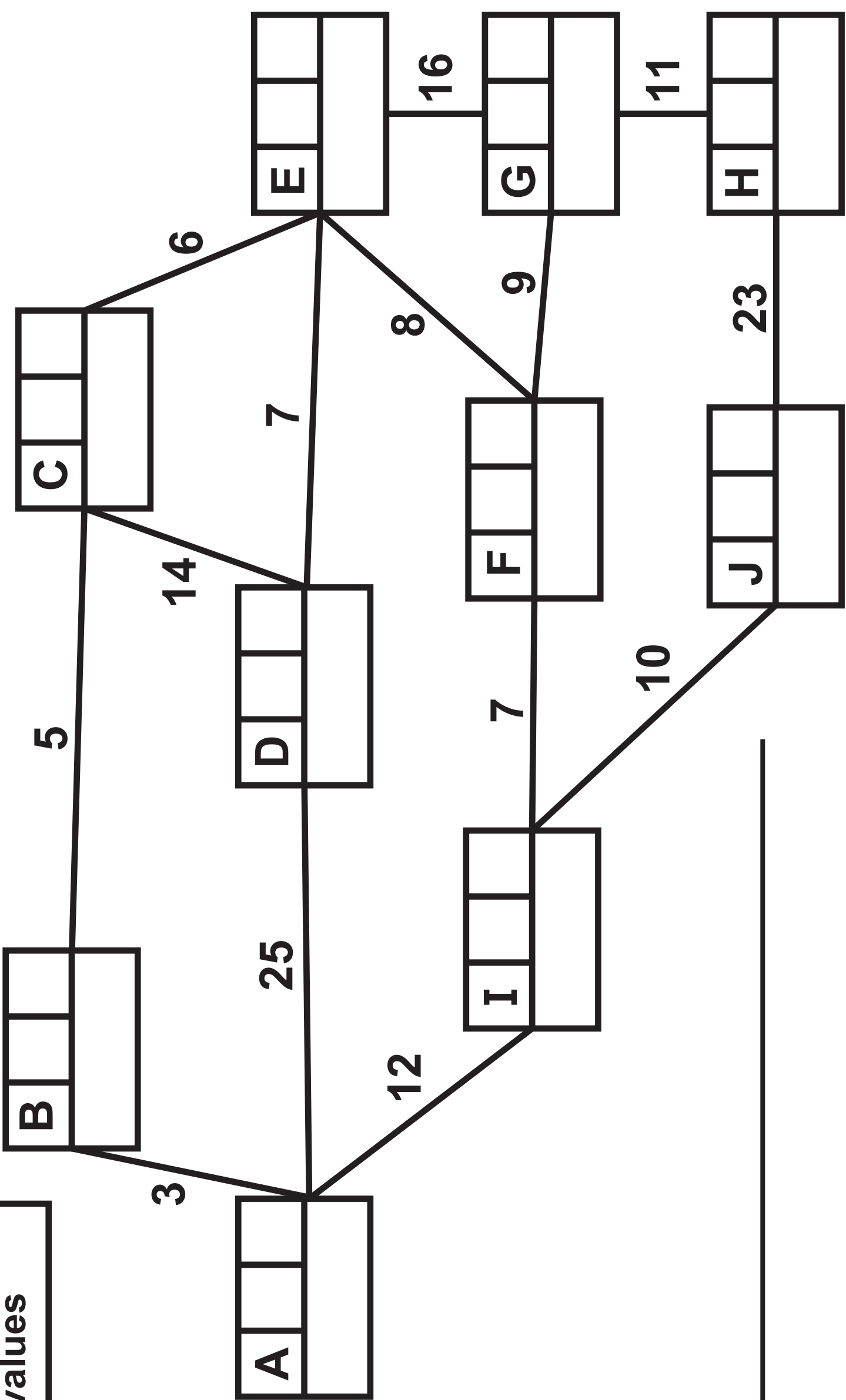


Diagram 2

Key:

Vertex	Order of labelling	Final value
Working values		



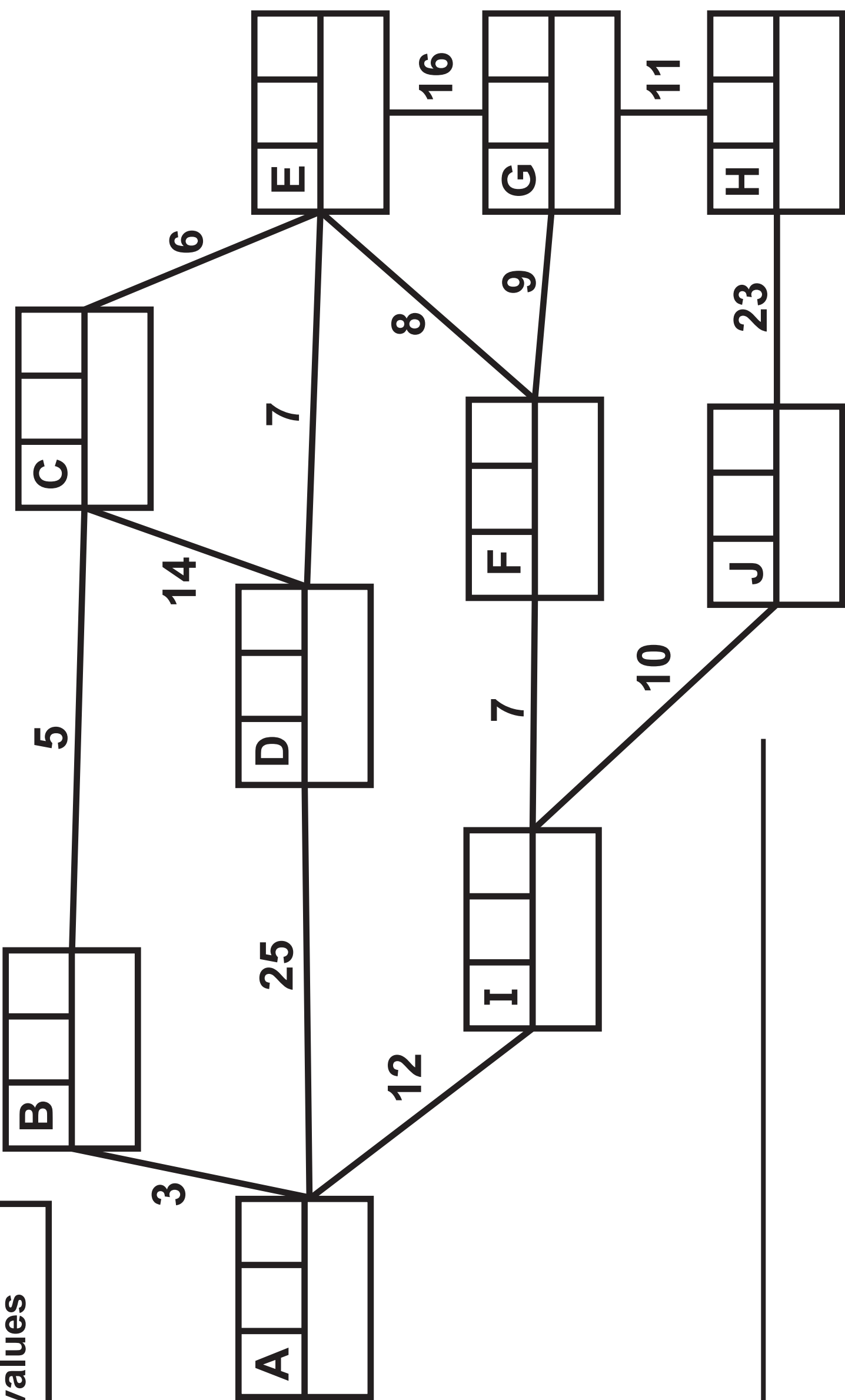
Shortest time: _____

Quickest route: _____

Diagram 2

Key:

Vertex	Order of labelling	Final value
Working values		



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

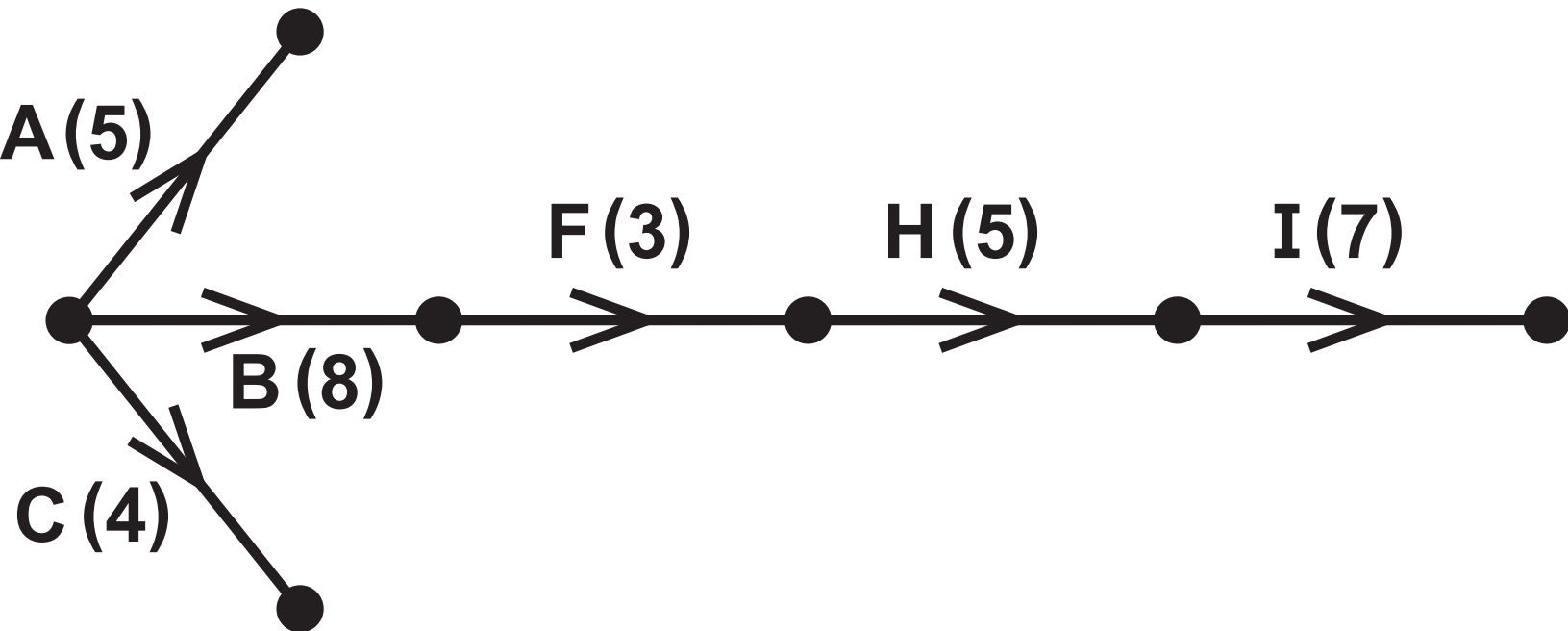


Diagram 3

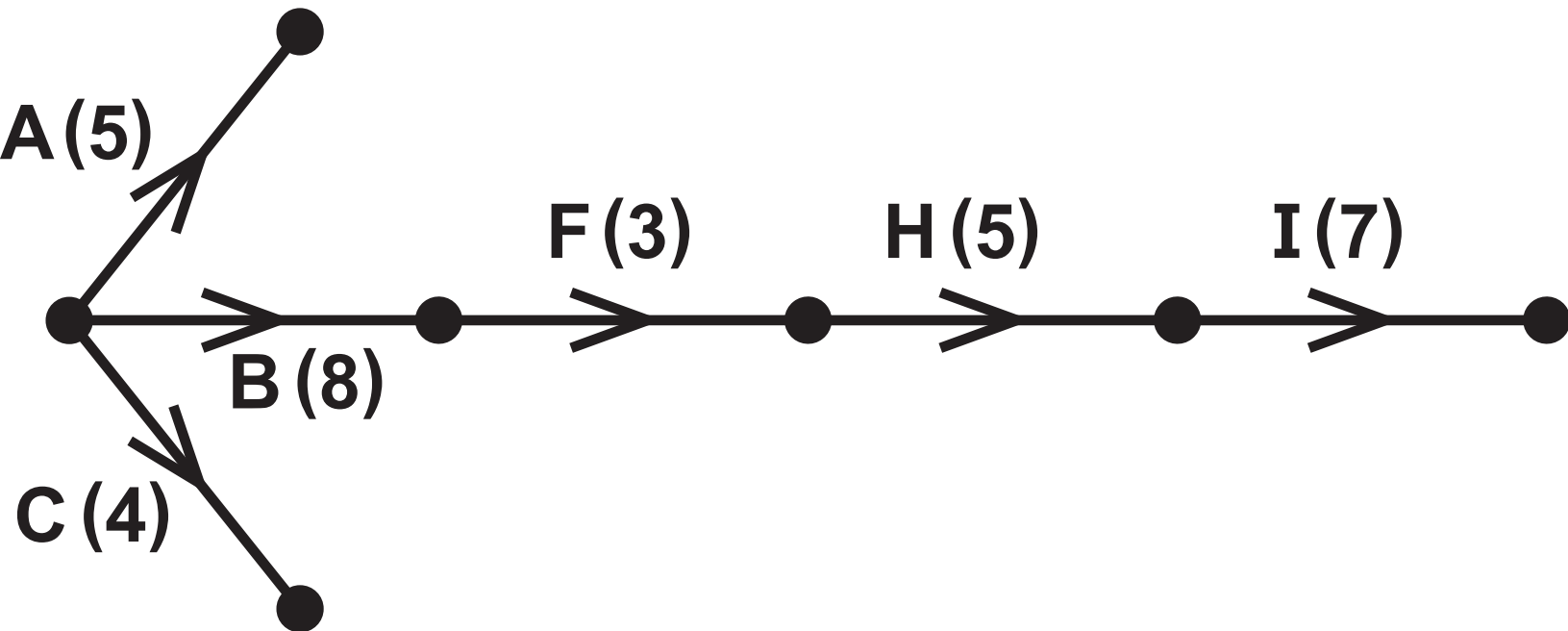


Diagram 4

Key:

Early event time
Late event time

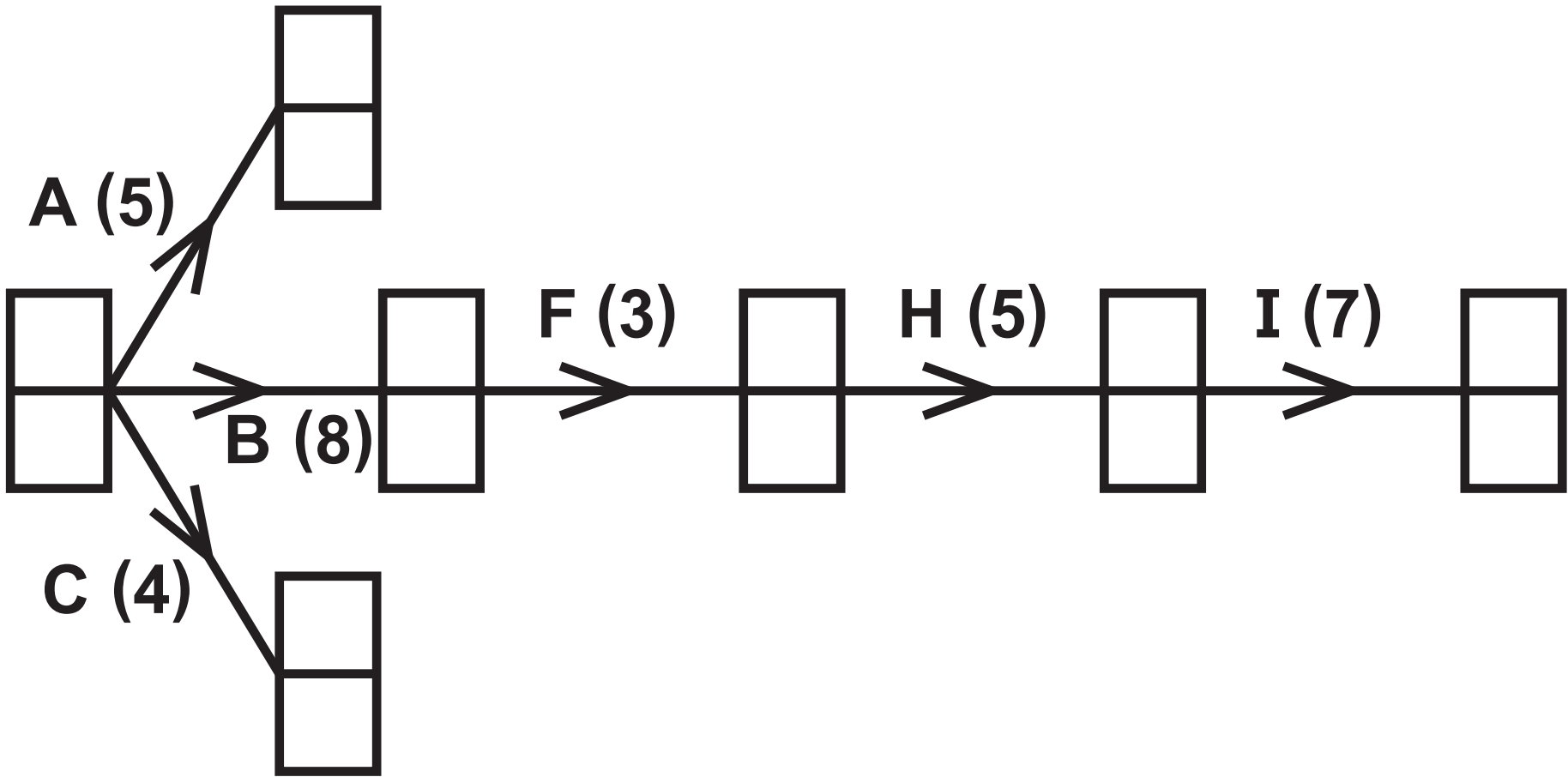


Diagram 4

Key:

Early event time
Late event time

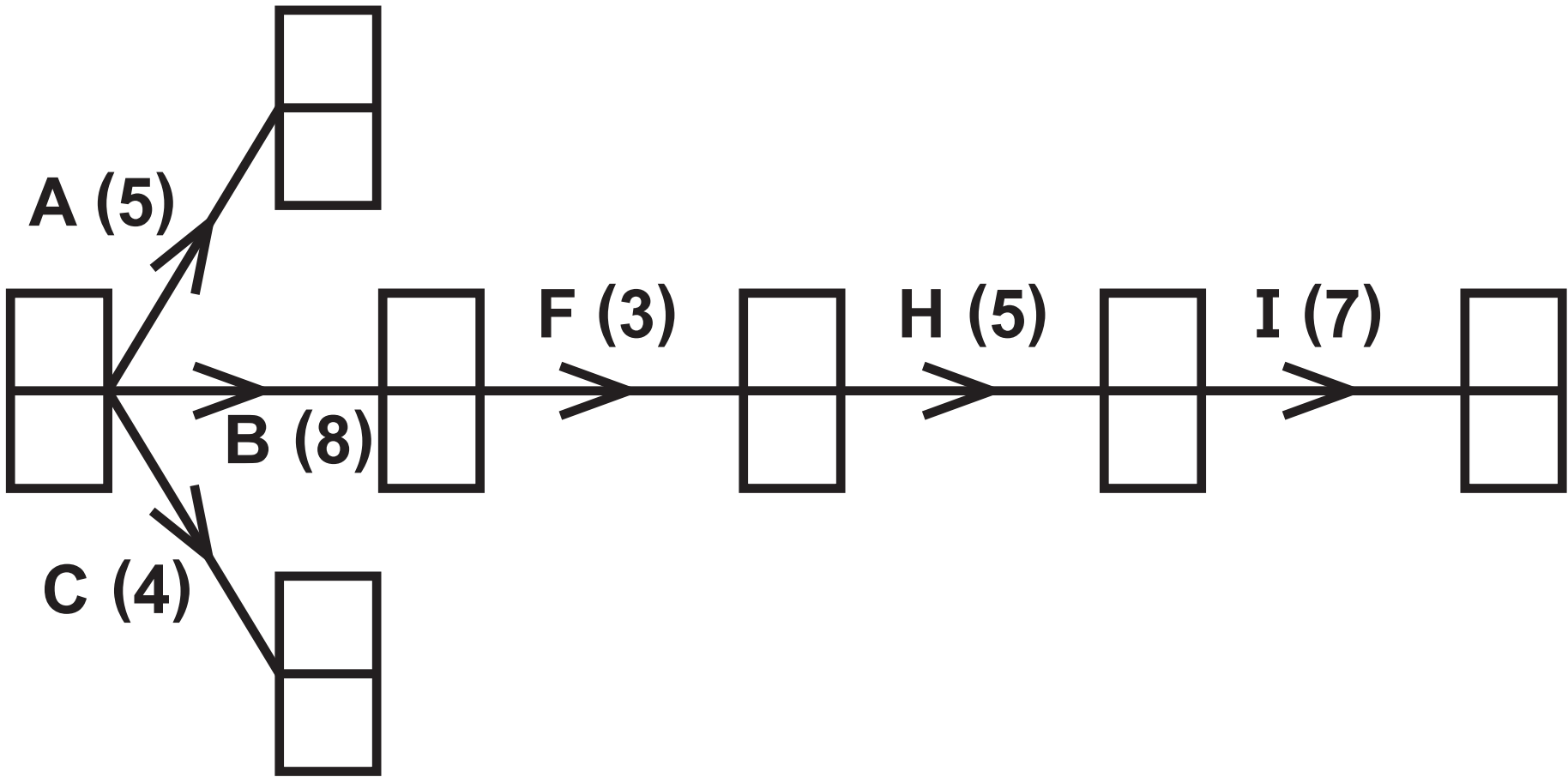


Diagram 5

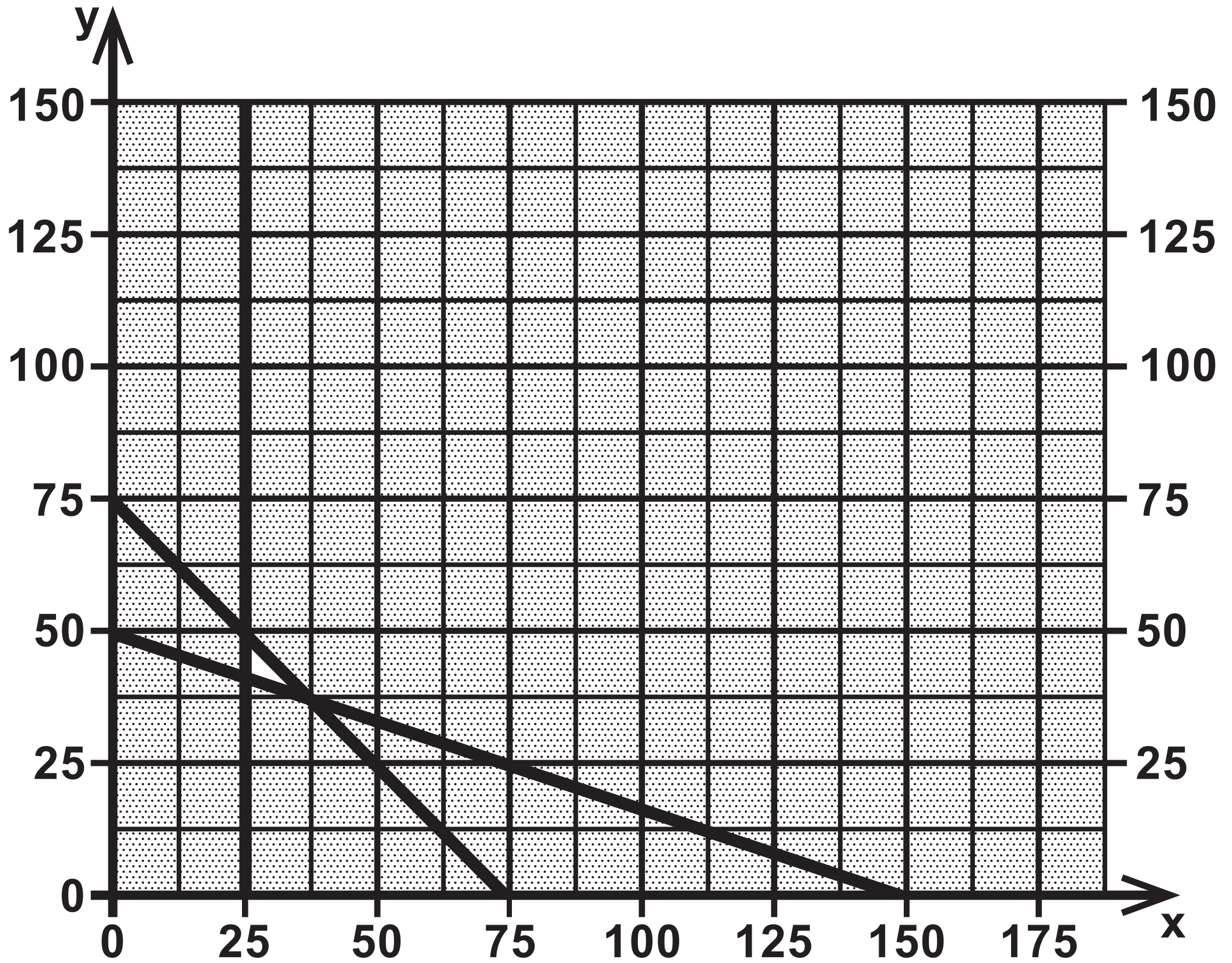


Diagram 5

