

Paper Reference 9FM0/4D
Pearson Edexcel Level 3 GCE
Further Mathematics
Advanced
PAPER 4D: Decision Mathematics 2

Monday 26 June 2023 – Afternoon

Diagram Booklet

**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 each diagram in case you need them.

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

Contents

Page

5 Diagram 1

6 Diagram 2

7 Diagram 3

8 Diagram 4

9 Diagram 5

10 Diagram 6

11–16 Diagram 7

17 Diagram 8

Spare Copies

18 Diagram 1

19 Diagram 2

20 Diagram 3

(continued on the next page)

Turn over

Contents continued.

21 Diagram 4

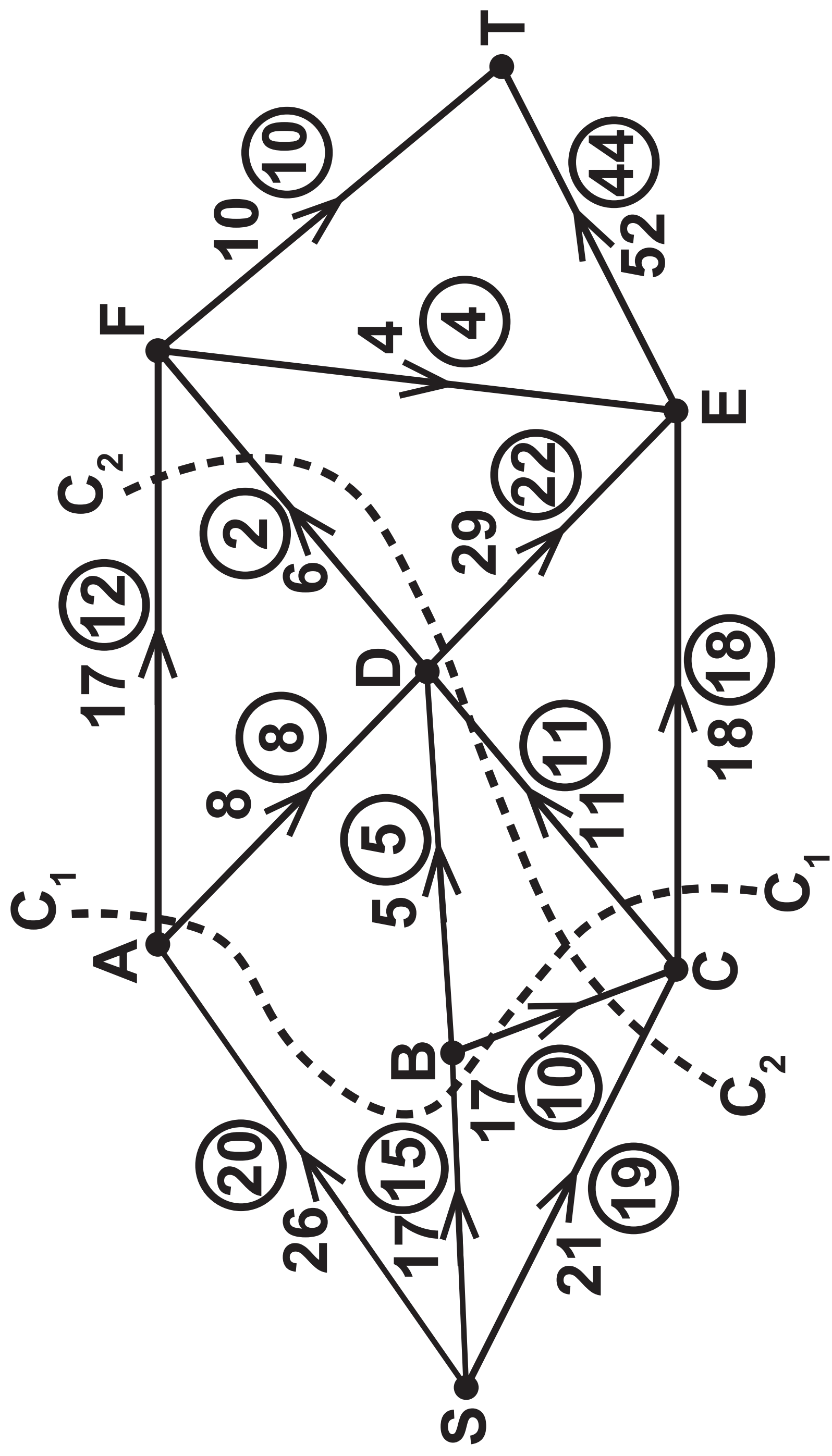
22 Diagram 5

23 Diagram 6

24–29 Diagram 7

30 Diagram 8

Diagram 1



	Q	R	S	Supply
A	23	18	12	45
B	8	10	14	27
C	11	14	21	34
D	19	15	11	50
Demand	75	37	44	

	1	2	3	4
A	34	20	18	15
B	49	31	12	34
C	48	27	23	26
D	52	45	42	42

Week	Possible countries to visit
1	A or B
2	C, D or E
3	F or G
4	H, I or J

Diagram 5

Country	Earnings in £100s
A	47
B	45
C	48
D	47
E	49
F	44
G	45
H	47
I	49
J	48

Diagram 7

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

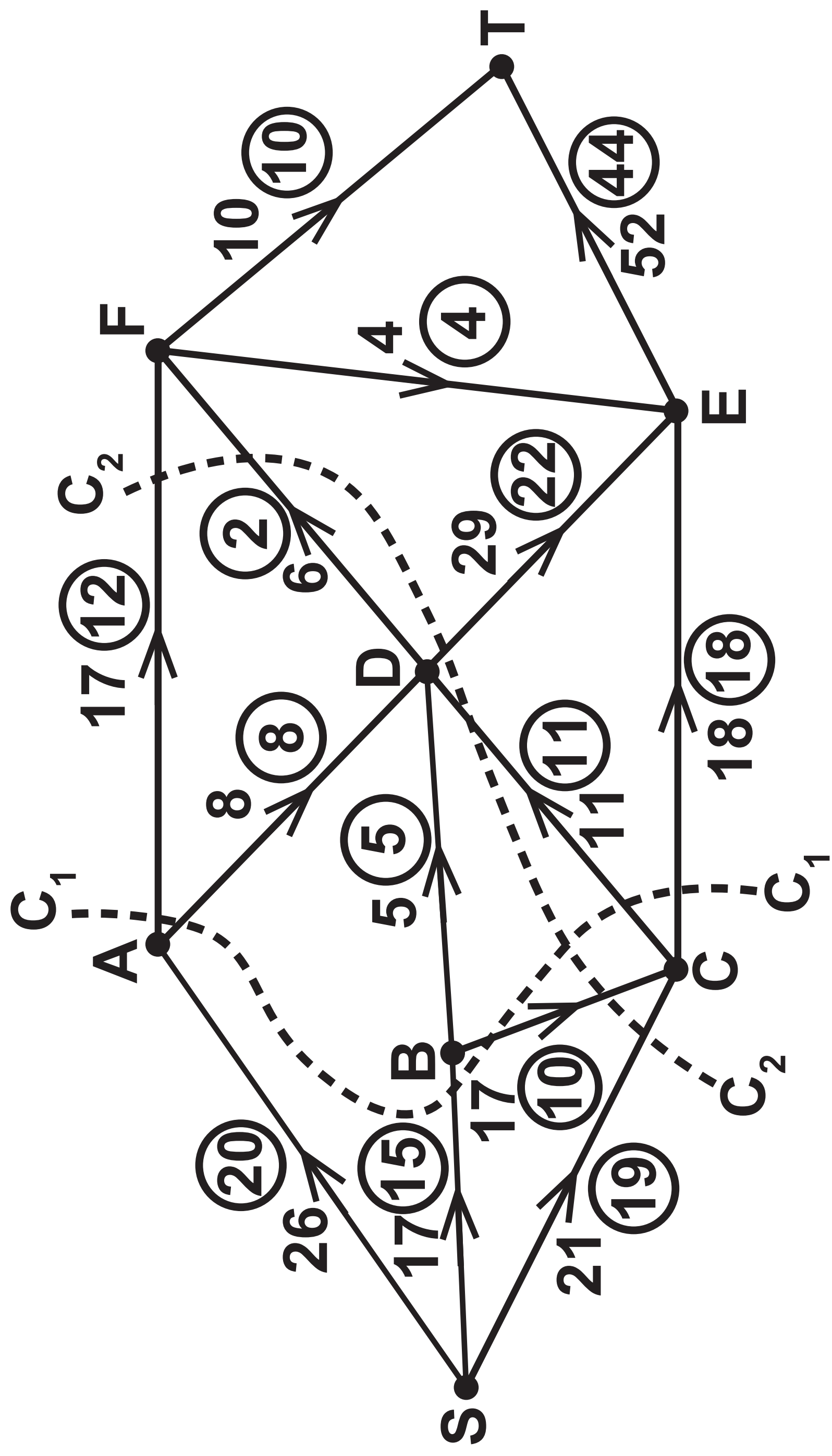
Stage	State	Action	Destination	Value

Player B

	Option X	Option Y	Option Z
Option Q	-3	2	5
Option R	2	-1	0
Option S	4	-2	-1
Option T	-4	0	2

Player A

Diagram 1



	Q	R	S	Supply
A	23	18	12	45
B	8	10	14	27
C	11	14	21	34
D	19	15	11	50
Demand	75	37	44	

Diagram 3

	1	2	3	4
A	34	20	18	15
B	49	31	12	34
C	48	27	23	26
D	52	45	42	42

Week	Possible countries to visit
1	A or B
2	C, D or E
3	F or G
4	H, I or J

Diagram 5

Country	Earnings in £100s
A	47
B	45
C	48
D	47
E	49
F	44
G	45
H	47
I	49
J	48

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Stage	State	Action	Destination	Value

Player B

	Option X	Option Y	Option Z
Option Q	-3	2	5
Option R	2	-1	0
Option S	4	-2	-1
Option T	-4	0	2

Player A