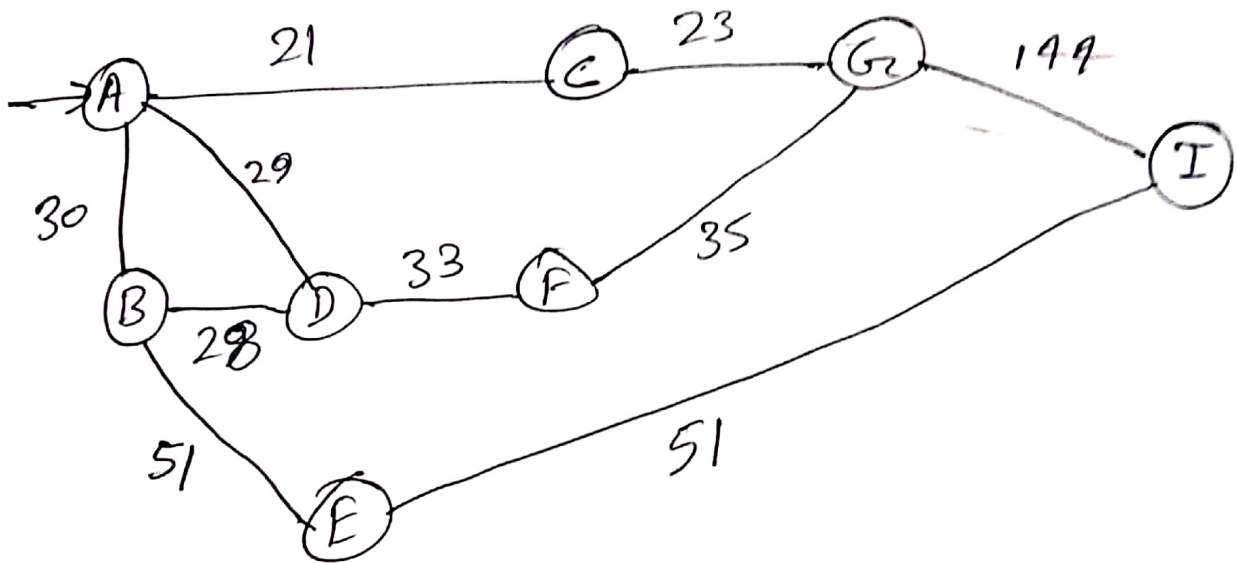


CT 4

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17201012

$\rightarrow$  b. month  
 $x = 10 \times 3 = 30$   
 $y = 21 \rightarrow$  b. day  
 $z = x + y = 51$



Step	N	D(B), P(B)	D(D), P(D)	D(C), P(C)	D(E), P(E)	D(G), P(G)	D(F), P(F)	D(I), P(I)
0	A	30, B	29, A	<u>21, A</u>	2	2	2	2
1	AC	30, A	<u>29, A</u>		2	44, C	2	2
2	ACD	<u>30, A</u>			2	44, C	62, D	2
3	ACDB				81, B	<u>44, C</u>	62, D	2
4	ACDBG				<del>81</del> 81, B		<u>62, D</u>	188, G
5	ACDBGF				<u>81, B</u>			188, G
6	ACDBGF							<u>132, E</u>
7	<del>ACDBGF</del>							

∴ Shortest path, ~~A+B+I~~

$$A \xrightarrow{30} B \xrightarrow{51} E \xrightarrow{51} I$$

$$1) 30 + 51 + 51 = 132$$

Ans.