

Centre Number					Candidate Number				
Surname									
Other Names									
Candidate Signature									



General Certificate of Education
Advanced Level Examination
January 2010

Mathematics

MD02

Unit Decision 2

Insert

Instructions

- Insert for use in **Questions 1, 5 and 6**.
- Fill in the boxes at the top of this page.
- Fasten this insert securely to your answer book at the end of the examination.

Turn over for Figure 1

Turn over ►

Figures 1 and 2 (for use in Question 1)

Figure 1

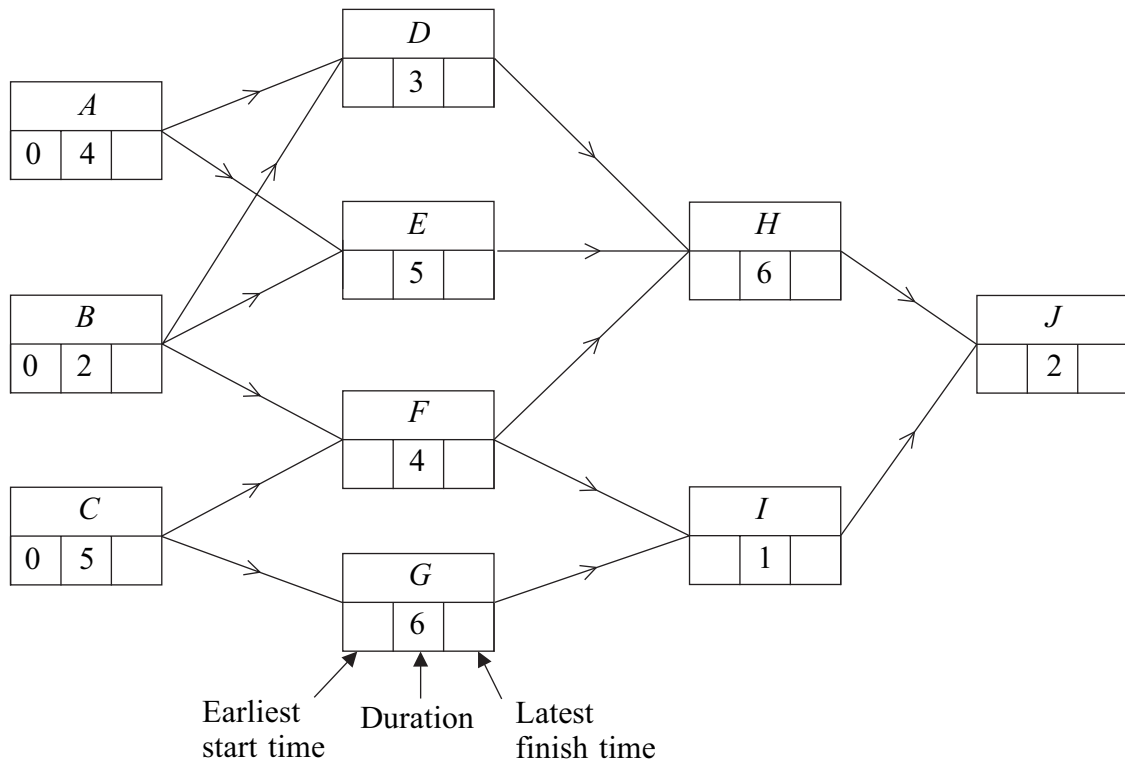
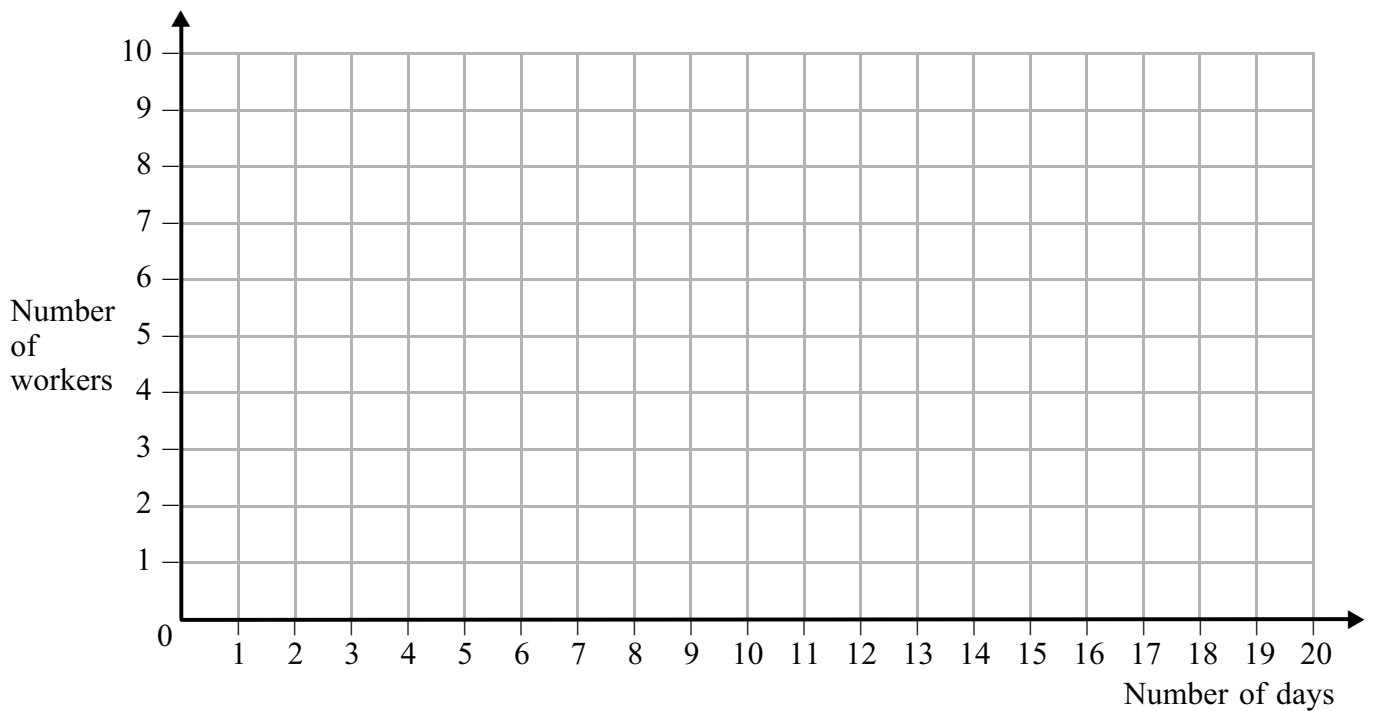


Figure 2



Figures 4, 5, 6 and 7 (for use in Question 6)

Figure 4

Cut		Value
{S}	{A, B, C, T}	63
{S, A}	{B, C, T}	
{S, B}	{A, C, T}	
{S, C}	{A, B, T}	97
{S, A, B}	{C, T}	53
{S, A, C}	{B, T}	87
{S, B, C}	{A, T}	
{S, A, B, C}	{T}	

Figure 5

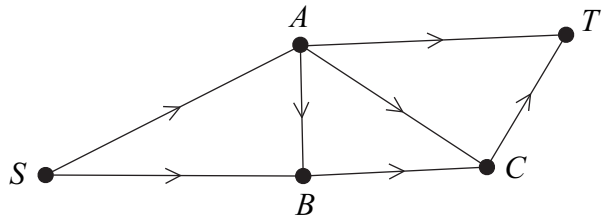
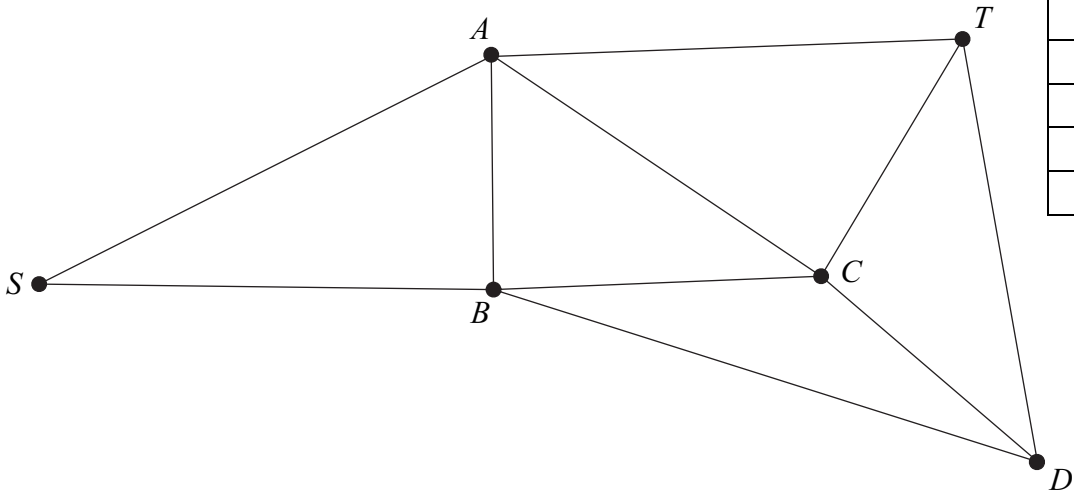
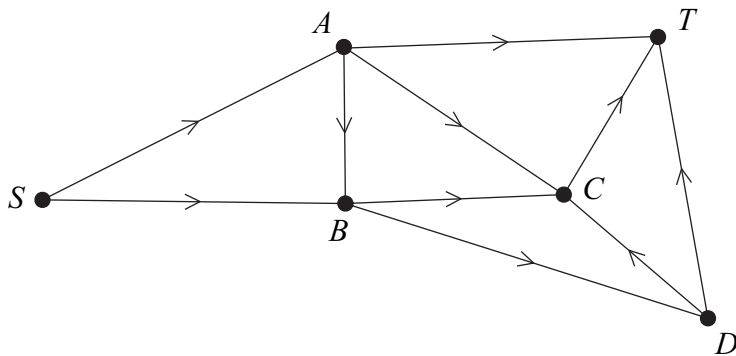


Figure 6



Path	Additional flow

Figure 7



New maximum flow is _____