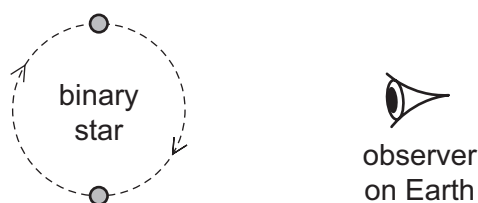
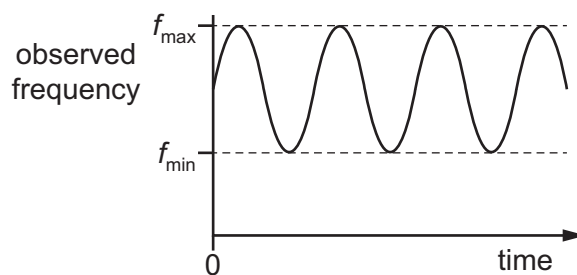


- 24** A binary star consists of two stars rotating around a common centre. Light from one of the stars is observed on the Earth.



The observed frequency of the light varies between a minimum frequency f_{\min} and a maximum frequency f_{\max} , as shown.



The rate of rotation of the binary star increases.

What is the change to f_{\max} and the change to f_{\min} ?

	f_{\max}	f_{\min}
A	decreases	decreases
B	decreases	increases
C	increases	decreases
D	increases	increases